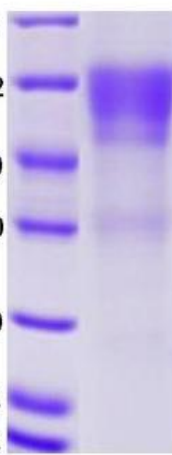


|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                           |                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| <b>Product Name</b>          | Recombinant Human CD27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SDS-PAGE gel              |                                                                                     |
| <b>Synonym(s)</b>            | S152, LPFS2, T14, TNFRSF7, Tp55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                         | 2                                                                                   |
| <b>Quantity</b>              | 100 µg, 1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>KDa</b>                | <b>M</b>                                                                            |
| <b>Species</b>               | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 116                       |  |
| <b>Class Type</b>            | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 66.2                      |                                                                                     |
| <b>Molecular weight</b>      | 46.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 45.0                      |                                                                                     |
| <b>Purity</b>                | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 35.0                      |                                                                                     |
| <b>Tag</b>                   | C-terminal Fc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 25.0                      |                                                                                     |
| <b>Expression Source</b>     | HEK 293 cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 18.4                      |                                                                                     |
| <b>GenBank Accession #</b>   | NP_001233.1, a. a. Met1-Ile192                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 14.4                      |                                                                                     |
| <b>Application</b>           | Western Blotting, Functional Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                     |
| <b>Formulation</b>           | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                                                                                     |
| <b>Storage and Stability</b> | Stable for 12 months at -80°C, Avoid freeze/thaw cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 – MW Marker<br>2 – CD27 |                                                                                     |
| <b>Description</b>           | CD27, also known as TNFRSF7, is a member of the TNF-receptor superfamily limited to cells of the lymphoid lineage, and exists as both a dimeric glycoprotein on the cell surface and as a soluble protein in serum. As a type I transmembrane glycoprotein of about 55 kDa existing as disulfide-linked homodimer, CD27 has been shown to play roles in lymphoid proliferation, differentiation, and apoptosis. It has important role in generation of T cell immunity, and is an apparently robust marker for normal memory B cells. It is a T and B cell co-stimulatory molecule, the activity of CD27 is governed by its TNF-like ligand CD7 on lymphocytes and dendritic cells. The CD27-CD7 interaction is required for Th1 generation responses to differentiation signals and long-term maintenance of T cell immunity, and meanwhile, plays a key role in regulating B-cell differentiation, activation and immunoglobulin synthesis. |                           |                                                                                     |
| <b>Reference</b>             | Drner T, <i>et al.</i> (2004) Correlation of circulating CD27 high plasma cells and disease activity in systemic lupus erythematosus. <i>Lupus</i> . 13(5): 283-9.<br>Sahota SS, <i>et al.</i> (2009) CD27 in defining memory B-cell origins in Waldenström's macroglobulinemia. <i>Clin Lymphoma Myeloma</i> . 9(1): 33-5.<br>Jiang J, <i>et al.</i> (2010) Reduced CD27 expression on antigen-specific CD4+ T cells correlates with persistent active tuberculosis. <i>J Clin Immunol</i> . 30(4): 566-73.                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                                                                                     |

## Related products:

| <b>Product Name</b>     | <b>Catalog #</b> | <b>Size</b> |
|-------------------------|------------------|-------------|
| Recombinant Human PD-L1 | 237351           | 100 ug      |
| Recombinant Human CD40  | 232340           | 100 ug      |
| Recombinant Human CD40L | 2323405          | 100 ug      |
| Recombinant Human CD70  | 232370           | 100 ug      |

|                                                     |                |                             |
|-----------------------------------------------------|----------------|-----------------------------|
| Recombinant Human CD155                             | 2323155        | 100 ug                      |
| Recombinant Human GITRL                             | 2344875        | 100 ug                      |
| Recombinant Human OX40                              | 236940         | 100 ug                      |
| Recombinant Human OX40L                             | 2369405        | 100 ug                      |
|                                                     |                |                             |
| DNA Polymerase Theta Activity Assay Kit             | 362101         | 96 reactions                |
| DNA Polymerase Theta-N-Helicase Domain              | 7657643        | 20 ug, 100 ug               |
| DNA Polymerase Theta-C terminal Domain              | 7657283        | 20 ug, 100 ug, 1 mg         |
| DNA Polymerase Theta Full Length protein            | 7657385        | 10 ug, 50 ug                |
|                                                     |                |                             |
| T7 RNA polymerase                                   | 777627         | 5000 U, 25000U, 100000U     |
| T7 High Yield RNA Synthesis Kit                     | 777627-RK      | 25 rxns, 50 rxns, 100 rxns  |
|                                                     |                |                             |
| Recombinant Mouse Leukemia Inhibitory Factor (mLIF) | 11-0001        | 10 ug, 100 ug               |
|                                                     |                |                             |
| Recombinant Human LIF                               | 12-0002        | 10 ug, 100 ug, 1 mg         |
|                                                     |                |                             |
| Recombinant Human LIF, Animal-Free                  | 12-0002AFR     | 10 ug, 100 ug, 1 mg         |
|                                                     |                |                             |
| Recombinant Human FGF-basic, Carrier-free           | 12-0005CFR     | 50 ug, 100 ug, 500 ug, 1 mg |
|                                                     |                |                             |
| Kras Wild Type (WT), GST-tag                        | 5727-4121G     | 50 µg, 100 µg               |
| Kras WT, GST-tag, GDP Loaded                        | 5727-WTG-G     | 50 µg, 100 µg               |
| Kras WT, GST-tag, GppNHp loaded                     | 5727-WTG-GP    | 50 µg, 100 µg               |
|                                                     |                |                             |
| Kras G12C, GST-tag                                  | 5727-4122G     | 50 µg, 100 µg               |
| Kras G12C, GST-tag, GDP Loaded                      | 5727-4122G -G  | 50 µg, 100 µg               |
| Kras G12C, GST-tag, GppNHp loaded                   | 5727-4122G -GP | 50 µg, 100 µg               |
|                                                     |                |                             |
| Kras G12C Nucleotide Exchange Assay Kit             | 5727-4122NK    | 384 reactions               |
|                                                     |                |                             |
| Kras G12C – cRAF Binding Assay Kit                  | 5727-4122BK    | 384 reactions               |
|                                                     |                |                             |
| Human RBD-RAF1, N-His tag, C-FLAG tag               | 7237231        | 50 µg, 100 µg               |
|                                                     |                |                             |
| Human SOS1, No Tag                                  | 7671           | 50 µg, 100 µg               |
| Human SOS1, His-Avi-Tag                             | 7671HA         | 50 µg, 100 µg               |
| SARS-CoV-2 Mpro (3CL Protease) Assay Kit            | 728203         | 96 reactions                |

This product is for research use only and not for diagnostic or therapeutic use.

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