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|-----------------------|---|----------------------------|---|
| Product Name | Recombinant Human CTLA4 | SDS-PAGE gel | |
| Synonym(s) | ALPS5; CD; CD152; CELIAC3; CTLA-4; GRD4; GSE; IDDM12 | 1 | 2 |
| Quantity | 50 µg, 1 mg | kDa | M |
| Species | Human | 116 |  |
| Class Type | Recombinant Protein | 66.2 | |
| Molecular weight | 46-55 kDa (due to glycosylation), 40.7 kDa (predicted) | 45.0 | |
| Purity | ≥ 95% by SDS-PAGE, ≥ 95% by SEC-HPLC | 35.0 | |
| Tag | C-terminal Human IgG1 Fc tag | 25.0 | |
| Expression Source | HEK293 | 18.4 | |
| GenBank Accession # | NP_005205.2, Met1-Phe162 | 14.4 | |
| Application | Western Blotting, Functional Studies | | |
| Endotoxin | <1.0 EU/µg protein as determined by the LAL method. | | |
| Formulation | Lyophilized from sterile PBS, pH 7.4. | | |
| Storage and Stability | Stable for 12 months at -80°C, Avoid freeze/thaw cycles | 1 – MW Marker 2 – CTLA4 | |
| Description | Cytotoxic T-lymphocyte protein 4, also known as CTLA4 and CD152, is a single-pass type I membrane protein and a member of the immunoglobulin superfamily. It is the second member of the CD28 receptor family. The ligands or counterreceptors for these two proteins are the B7 family members, CD8 (B7-1) and CD86 (B7-2). CTLA4 transmits an inhibitory signal to T cells, whereas CD28 transmits a stimulatory signal. Intracellular CTLA4 is also found in regulatory T cells and may play an important role in their functions. CD152 or cytotoxic T lymphocyte antigen-4 (CTLA-4) is an essential receptor involved in the negative regulation of T cell activation. Because of its profound inhibitory role, CD152 has been considered a sound susceptible candidate in autoimmunity and a persuasive target for cancer immunotherapy. In particular, recent evidence suggests that CD152 is also important in the homeostasis and function of a population of suppressive cells, termed regulatory T cells (Treg). | | |
| Reference | Slavik JM, et al. (1999) CD28/CTLA-4 and CD80/CD86 families: signaling and function. Immunol Res. 19(1): 1-24. Holmberg D, et al. (2005) CTLA-4 (CD152) and its involvement in autoimmune disease. Autoimmunity. 38(3): 225-33. Chin LT, et al. (2008) Immune intervention with monoclonal antibodies targeting CD152 (CTLA-4) for autoimmune and malignant diseases. Chang Gung Med J. 31(1): 1-15. | | |

Related products:

| Product Name | Catalog # | Size |
|-------------------------|------------------|-------------|
| Recombinant Human PD-L1 | 237351 | 100 ug |
| Recombinant Human CD40 | 232340 | 100 ug |
| Recombinant Human CD40L | 2323405 | 100 ug |

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|---|----------------|-----------------------------|
| Recombinant Human CD70 | 232370 | 100 ug |
| Recombinant Human CD155 | 2323155 | 100 ug |
| Recombinant Human SIRP-alpha | 2374772 | 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 |
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| Kras G12C Nucleotide Exchange Assay Kit | 5727-4122NK | 384 reactions |
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| Kras G12C – cRAF Binding Assay Kit | 5727-4122BK | 384 reactions |
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| 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 |

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