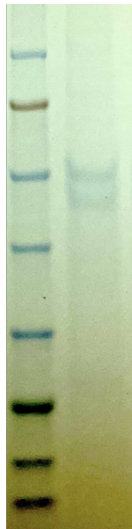


Product Name	Recombinant Human PD-1	SDS-PAGE gel  KDa 1 2 93 70 53 41 30 22 18 14 1 – MW Marker 2 – PD1
Synonym(s)	PDCD1, CD279	
Quantity	100 µg	
Species	Human	
Molecular weight	20.1 kDa	
Purity	>90% by SDS-PAGE	
Tag	N-terminal Avi tag, N-terminal His tag	
N-terminal sequence analysis	Leu25	
Expression Source	CHO cells	
GenBank Accession #	NM_005018	
Application	Recombinant protein characterization, ELISA, Western blot, crystallization studies.	
Formulation	1 X PBS, pH8.3	
Storage and Stability	Stable for 18 months at -20 °C.	
Description	Programmed Cell Death Protein 1 (PD-1), also known as CD279, is a 288-amino acid type I transmembrane protein expressed on the surface of activated T cells, B cells, and myeloid cells. As an immune checkpoint receptor, PD-1 plays a crucial role in downregulating immune responses and promoting self-tolerance by suppressing T-cell inflammatory activity. PD-1 binds its ligands, PD-L1 and PD-L2, leading to inhibition of T-cell proliferation, cytokine production, and cytotoxic activity. Human PD-1 is a key target in immuno-oncology and autoimmune disease research. Therapeutic blockade of the PD-1/PD-L1 pathway has shown significant clinical benefits in multiple cancer types by restoring anti-tumor immune responses.	
Reference	Yao, Li, Pan <i>et al</i> (2025) Front Immunol 16, 1595070 Liu, Qin, Fu (2025) Front Immunol 16, 1604310 Riley JL. (2009) Immunol Rev. 229(1): 114-25.	

Related products:

Product Name	Catalog #	Size
Recombinant Human CD40	232340	50 ug, 100 ug
Recombinant Human CD40L	2323405	50 ug, 100 ug
Recombinant Human CD70	232370	50 ug, 100 ug
Recombinant Human CD155	2323155	50 ug, 100 ug

Recombinant Human GITRL	2344875	50 ug, 100 ug
Recombinant Human PD-L1	237351	50 ug, 100 ug
Recombinant Human OX40	236940	50 ug, 100 ug
Recombinant Human OX40L	2369405	50 ug, 100 ug
Recombinant Human SIRP-alpha	2374772	50 ug, 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
Kras G12C/cRAF/CYPA/Inhibitor \ Assay Kit	5727-4122CK	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
Recombinant SARS-CoV-2 Mpro, 3CL protease	728201	50 ug, 500 ug
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.