

Active Recombinant Human CD274 protein, His-tagged

Cat. No. CD274-592H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CD274 protein(Met 1-Thr 239)(NP_054862.1) was expressed in Human Cells with a C-terminal polyhistidine tag.
Species	Human
Source	Human Cells
ProteinLength	1-239 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human B7-H1 at 20 µg/ml (100 µl/well) can bind human PD1 with a linear ranger of 0.032-0.8 µg/ml.
Molecular Mass	The recombinant mature human B7-H1 comprises 232 amino acids and predicts a molecular mass of 26.8 kDa. As a result of glycosylation, the rh B7-H1 migrates as an approximately 35-38 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [CD274 CD274 molecule \[Homo sapiens \]](#)

Official Symbol [CD274](#)

Synonyms CD274; CD274 molecule; CD274 antigen, PDCD1LG1, programmed cell death 1 ligand 1; programmed cell death 1 ligand 1; B7 homolog 1; B7 H; B7 H1; B7H1; PD L1; PDL1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1; B7-H; PD-L1; PDCD1L1; PDCD1LG1; MGC142294; MGC142296;

Gene ID [29126](#)

mRNA Refseq [NM_014143](#)

Protein Refseq [NP_054862](#)

MIM [605402](#)

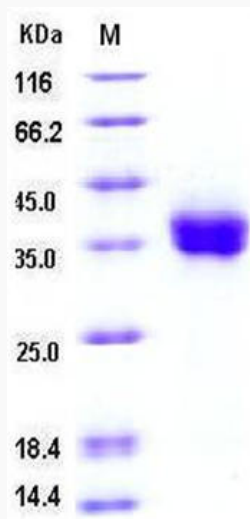
UniProt ID [Q9NZQ7](#)

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SDS-PAGE



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