

## Active Recombinant Human CD274 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human CD274 protein(Met 1-Thr 239)(NP_054862.1) was expressed in Human Cells with a C-terminal polyhistidine tag.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	1-239 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 98 % as determined by SDS-PAGE
<b>Storage</b>	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](#)

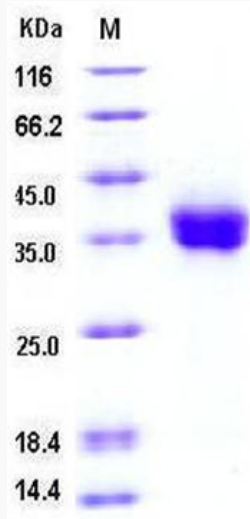
**UniProt ID** [Q9NZQ7](#)

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SDS-PAGE



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