

# Active Recombinant Human CD274 protein, His-tagged, Biotinylated

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD274 Protein extracellular domain N-terminal segment (NP_054862.1, 1-239aa), was expressed in HEK293 Cells with C-terminal His tag, biotinylated conjugate.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-239 aa
<b>Predicted N Terminal</b>	Phe 19
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween80.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized biotinylated human B7-H1-His at 10µg/mL (100µL/well) can bind human PD1-Fch, The EC50 of human PD1-Fch is 0.1-0.3 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 human B7-H1 migrates as an approximately 35-38 kDa protein in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.

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<b>Purity</b>	> 95% as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Shipping</b>	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	CD274 CD274 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD274
<b>Synonyms</b>	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;
<b>Gene ID</b>	29126
<b>mRNA Refseq</b>	NM_014143

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**Protein Refseq** NP\_054862

**MIM** 605402

**UniProt ID** Q9NZQ7

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