

Active Recombinant Human CD274 protein, hFc-tagged, Low Endotoxin

Cat. No. CD274-358H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 protein(Q9NZQ7-1)(Phe19-Arg238), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-238 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS, 8% trehalose (pH 7.4).
Bio-activity	Immobilized Human PD-1, mFc Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for Human PD-L1, hFc Tag with the EC50 of 0.12 µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 52 kDa. Due to glycosylation, the protein migrates to 68-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities

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for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

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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