

## Recombinant Human CD274 Protein (19-328aa), His-tagged

Cat. No. CD274-690H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD274 Protein (19-328aa), was expressed in HEK293 with C-terminal 6xHis tag.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	19-238 aa
<b>Description</b>	<p>This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants.</p>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	26.0 kDa

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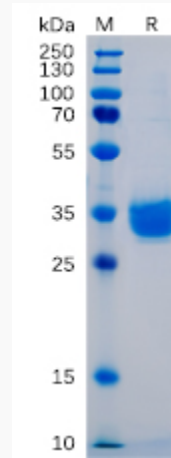
<b>Purity</b>	> 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Storage</b>	Store at -80 centigrade for 12 months (Avoid repeated freezing and thawing)
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 88 % trehalose is added as protectants before lyophilization.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CD274 CD274 molecule [ Homo sapiens (human) ]
<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
<b>Protein Refseq</b>	NP_054862
<b>MIM</b>	605402
<b>UniProt ID</b>	Q9NZQ7

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**SDS-PAGE**



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