

Recombinant Human CD274 Molecule, His-tagged

Cat. No. CD274-6775H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 Protein, was expressed in E. coli with N-terminal His tag (purified via conventional chromatography).
Species	Human
Source	E.coli
Description	CD274, also known as programmed cell death 1 ligand 1 (PDCD1L1), is involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. This protein interaction with PDCD1 inhibits T-cell proliferation and cytokine production.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT
Molecular Weight	27.9 kDa (245aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	> 90% by SDS -PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHSSGLVPRGSH MGSMTFTVTV PKDLYVVEYG SNMTIECKFP VEKQLDLAAL IVYWEMEDKN IIQFVHGEECLKVQHSSYRQ RARLLKDQLS LGNAALQITD VKLQDAGVYR CMISYGGADY KRITVKVNAP YNKINQRILVDPVTSEHEL TCQAEGYPKA EVIWTSSDHQ VLSGKTTTTN

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SKREEKLFNV TSTLRINTTT NEIFYCTFRRLDPEENHTAE LVIPELPLAH PPNER

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

CD274CD274 molecule [Homo sapiens]

Official symbol

CD274

Synonyms

CD274; CD274 molecule; B7-H; B7H1;PDL1; PD-L1; PDCD1L1; PDCD1LG1; MGC142294; MGC142296; programmed cell death 1ligand 1; CD274 antigen; Programmed cell death 1 ligand 1; Programmed deathligand 1; PDCD1 ligand 1; B7 homolog 1; OTTHUMP00000021029

Gene ID

29126

mRNA Refseq

NM_014143

Protein Refseq

NP_054862

MIM

605402

UniProt ID

Q9NZQ7

Chromosome Location

9q24.1

Pathway

Cell adhesion molecules (CAMs);Signaling in Immune system

Function

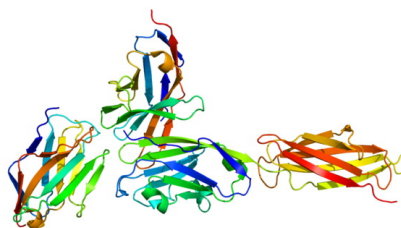
protein binding; receptor activity

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PDB 3BIK.



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