

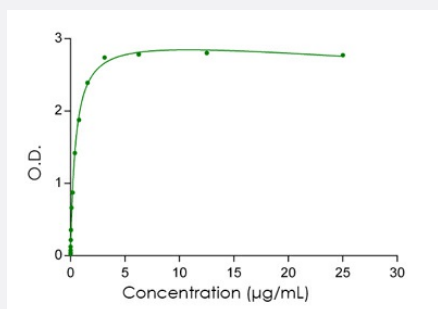
Bioactive

## CD274 (Human) Recombinant Protein

Catalog # P7537

Size 1 mg

### Applications



### Result of bioactivity analysis

Result of bioactivity analysis

### Specification

#### Product Description

Human CD274 (Q9NZQ7-1, 19 a.a. - 239 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in CHO cell.

#### Sequence

FTVTVPKDLVVEYGSNMTIECKFPVEKQLDLAALVWEMEDKNIQFVHGEECLKVQHSSYRQR  
ARLLKDQLSLGNAALQITDVKLQDAGVYRCMISYGGADYKRITVKVNAPYNKINQRILVDPVTSEH  
ELTCQAEGYPKAEVWTSSDHQVLSGKTTTNSKREEKLFNVTSLRINTTNEIFYCTFRRLDPEE  
NHTAELVIPELPLAHPNERT

#### Host

Mammals

#### Theoretical MW (kDa)

70-72

#### Form

Lyophilized

#### Preparation Method

Mammalian cell (CHO) expression system

#### Purity

&gt; 98% by SDS-PAGE

#### Endotoxin Level

&lt; 0.2 EU per 1 ug of protein (determined by gel clotting method)

#### Activity

Immobilized PD-L1, hFc, Human at 1.0 ug/mL (100 uL/well) can bind biotinylated PD-1, hFc, Human.  
Immobilized PD-1, His, Human at 2.0 ug/mL can bind PD-L1, hFc, Human.

#### Storage Buffer

Lyophilized from sterile distilled Water up to 100 ug/mL

**Storage Instruction**

Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

Result of bioactivity analysis  
Result of bioactivity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — CD274

**Entrez GeneID** [29126](#)

**Protein Accession#** [Q9NZQ7-1](#)

**Gene Name** CD274

**Gene Alias** B7-H, B7H1, MGC142294, MGC142296, PD-L1, PDCD1L1, PDCD1LG1, PDL1

**Gene Description** CD274 molecule

**Omim ID** [605402](#)

**Gene Ontology** [Hyperlink](#)

**Other Designations** CD274 antigen|OTTHUMP00000021029|programmed cell death 1 ligand 1

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)

## Disease

- [Addison Disease](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Narcolepsy](#)
- [Rheumatoid Nodule](#)