

Recombinant human PD-L1/B7-H1 protein (CD274)

Catalog Number: ATGP1543

PRODUCT INFORMATION

Expression system

E.coli

Domain

19-238aa

UniProt No.

Q9NZQ7

NCBI Accession No.

NP_054862

Alternative Names

Programmed cell death 1 ligand, B7-H, B7H1, PD-L1, PDCD1L1, PDCD1LG1, PDL1

PRODUCT SPECIFICATION

Molecular Weight

27.9 kDa (245aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human CD274 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

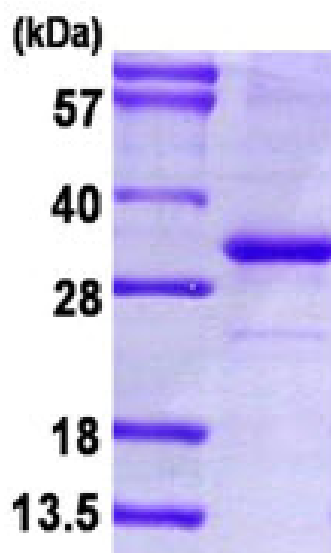
<MGSSHHHHHH SSGLVPRGSH MGSHM>FTVTV PKDLYVVEYG SNMTIECKFP VEKQLDLAAL IVYWEMEDKN
IIQFVHGEEED LKVQHSSYRQ RARLLKDQLS LGNAALQITD VKLQDAGVYR CMISYGGADY KRITVKVNAP YNKINQRILV
VDPVTSEHEL TCQAEGYPKA EVIWTSSDHQ VLSGKTTTTN SKREEKLFNV TSTLRINTTT NEIFYCTFRR LDPEENHTAE
LVIPELPLAH PPNER

General References

Dong H., et al. (1999) Nat. Med. 5:1365-1369
Freeman G.J., et al. (2000) J. Exp. Med. 192:1027-1034

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)