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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

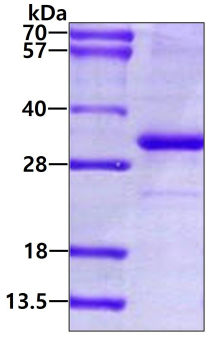
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General References

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.