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Recombinant mouse PD-L1/B7-H1 protein

Catalog Number: ATGP1645

PRODUCT INFORMATION

Expression system
E.coli

Domain
19-239aa

UniProt No.
Q9EP73

NCBI Accession No.
NP_068693

Alternative Names
CD274 antigen, A530045L16Rik, B7h1, Pdcd1l1, Pdcd1lg1,Pdl1

PRODUCT SPECIFICATION

Molecular Weight
27.6 kDa (246aa) 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, 0.15M NaCl

Purity
> 85% 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 interacts with PDCD1 inhibits T-cell proliferation and cytokine production. Recombinant mouse 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

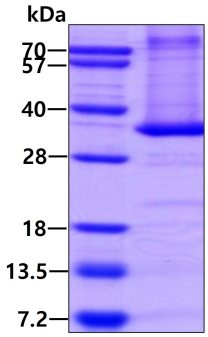
<MGSSHHHHHH SSGLVPRGSH MGSHM>FTITA PKDLYVVEYG SNVTMECRFP VERELDLLAL VVYWEKEDEQ VIQFVAGEED LKPQHSNFRG RASLPKDQLL KGNAALQITD VKLQDAGVYC CIISYGGADY KRITLKVNAP YRKINQRISV DPATSEHELI CQAEGYPEAE VIWTNSDHQP VSGKRSVTTS RTEGMLLNVT SSLRVNATAN DVFYCTFWRS QPGQNHTAEL IIPELPATHP PQNRTH

General References

Li,X., et al. (2012) J. Immunol. 188 (2), 724-734
Pulko,V., et al. (2011) J. Immunol. 187 (11), 5606-5614

DATA

SDS-PAGE



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