

# Recombinant mouse PD-L1/B7-H1 protein

Catalog Number: ATGP1645

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

19-239aa

### UniProt No.

Q9EP73

### NCBI Accession No.

NP\_068693

### Alternative Names

CD274 antigen, A530045L16Rik, B7h1, Pcd1l1, Pcd1lg1, Pdl1

## PRODUCT SPECIFICATION

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### 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

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### 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

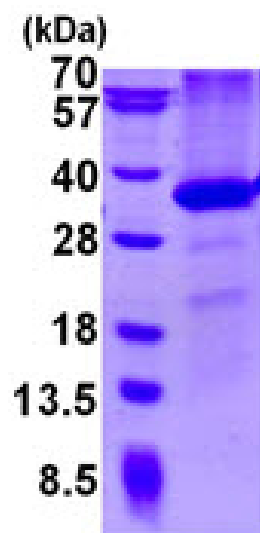
MGSSHHHHHHH SSGLVPRGSH MGSHMFTITA PKDLYVVEYG SNVTMECRFP VERELDLLAL VVYWEKEDEQ VIQFVAGEED  
LKPQHSNFRG RASLPKDQLL KGNAALQITD VKLQDAGVYC CIISYGGADY KRITLKVNP YRKINQRISV DPATSEHELI  
CQAEGYPEAE VIWTNSDHQP VSGKRSVTTS RTEGMLLNT SSLRVNATAN DVFYCTFWRS QPGQNHTAEL IPELPAHP  
PQNRTH

### 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.

15% SDS-PAGE (3 ug)