

Recombinant human PD-L2/B7-DC protein

Catalog Number: ATGP3571

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-200aa

UniProt No.

Q9BQ51

NCBI Accession No.

NP_079515

Alternative Names

Programmed cell death 1 ligand 2, PDCD1LG2, B7DC, bA574F11.2, Btdc, CD273, PD-L2, PDCD1L2, PDL2

PRODUCT SPECIFICATION

Molecular Weight

47.7 kDa (423aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-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

PDCD1LG2, also known as programmed cell death 1 ligand 2, which belongs to the immunoglobulin superfamily or TN/MOG family. This protein is involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Also, its interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production. Recombinant human PDCD1LG2, fused to hIgG-His-tag

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at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

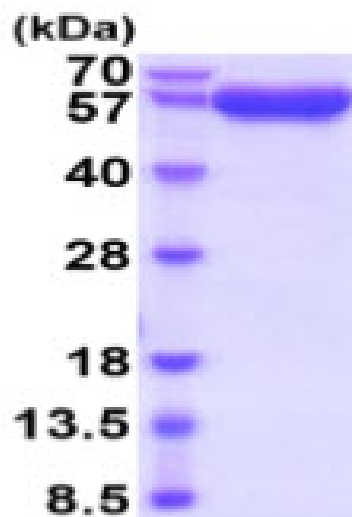
ADPLFTVTVP KELYIIIEHGS NVTLECNFDT GSHVNLGAIT ASLQKVENDT SPHRERATLL EEQLPLGKAS FHIPQVQVRD
EGQYQCIIY GVAWDYKYL LKVKASYRKI NTHILKVPET DEVELTCQAT GYPLAEVSWP NVSVPANTSH SRTPEGLYQV
TSVLRLLKPPP GRNFSCVFWN THVRLEPKSC DKHTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED
PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT
LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTTPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSV MHE
ALHNHYTQKS LSLSPGKHHH HHH

General References

Xu J., et al, (2016) Am. J. Surg. Pathol. 40:443-453.
Latchman Y., et al, (2001) Nat. Immunol. 2:261-268.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)