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, it 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

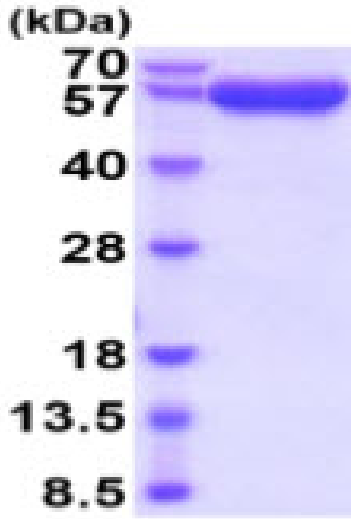
ADPLFTVTVP KELYIIEHGS NVTLECNFDT GSHVNLGAIT ASLQKVENDT SPHRERATLL EEQLPLGKAS FHIPQVQVRD EGQYQCIIIY GVAWDYKYLT LKVKASYRKI NTHILKVPET DEVELTCQAT GYPLAEVSWP NVSVPANTSH SRTPEGLYQV TSVLRLKPPP GRNFSCVFWN THVRLEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE 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



15% SDS-PAGE (3ug)

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