Recombinant human PD-L2/B7-DC protein

Catalog Number: ATGP2757

PRODUCT INFORMATION

Expression system
E.coli

Domain
20-200aa

UniProt No.
Q9BQ51

NCBI Accession No.
NP_079515

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

PRODUCT SPECIFICATION

Molecular Weight
22.8 kDa (204aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

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
Programmed cell death 1 ligand 2, also known as PDCD1LG2, is involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production. Recombinant human PDCD1LG2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence
<MGSSHHHHHH SSGLVPRGSH MGS>LFTVTVP KELYIIEHGS NVTLECNFDT GSHVNLGAIT ASLQKVENDT SPHRERATLL

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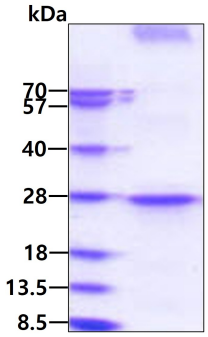
EEQLPLGKAS FHIPQVQVRD EGQYQCIIIY GVAWDYKYLT LKVKASYRKI NTHILKVPET DEVELTCQAT GYPLAEVSWP NVSVPANTSH SRTPEGLYQV TSVLRLKPPP GRNFSCVFWN THVR

General References

Latchman Y., et al. (2001) Nat. Immunol. 2:261-268
Tseng S.-Y., et al. (2001) J. Exp. Med. 193:839-846

DATA

SDS-PAGE



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