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### 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 ASLOKVENDT SPHRERATLL



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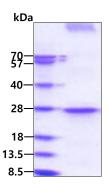
EEQLPLGKAS FHIPQVQVRD EGQYQCIIIY GVAWDYKYLT LKVKASYRKI NTHILKVPET DEVELTCQAT GYPLAEVSWP NVSVPANTSH SRTPEGLYQV TSVLRLKPPP GRNFSCVFWN THVR

#### **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.

