

Product information

CD274, 19-238aa

Human, hlgG-His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3631

Full name: Programmed cell death 1 ligand 1 isoform

NCBI Accession No.: NP_054862

Synonyms: CD274, B7-H, B7H1, PD-L1, PDCD1L1, PDCD1LG1, PDL1

Description: CD274, also known as programmed cell death 1 ligand 1 isoform, is a member of the growing B7 family of immune molecules. This protein is involved in the regulation of cellular and humoral immune responses. It suppresses T cell activation and proliferation and induces the apoptosis of activated T cells. Also, it plays a role in the development of immune tolerance by promoting T cell anergy and enhancing regulatory T cell development. Recombinant human CD274, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 52.5kDa (462aa)

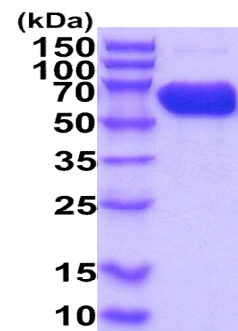
50-70kDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Ala

Purity: > 95% by SDS - PAGE.

Concentration: 1.0mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

ADLFTVTPK DLYVVEYGSN MTIECKFPVE KQLDLAALIV YWEMEDKNI I QFVHGEEELK VQHSSYRQRA RLLKDQLSLG NAALQITDVK
LQDAGVYRCM ISYGGADYKR ITVKVNAPYN KINQRILVVD PVTSEHELTC QAEGYPKAEV IWTSSDHQVL SGKTTTTNSK REEKLFNVTS
TLRINTTTNE IFYCTFRRLD PEENHTAELV IPELPLAHP NERLEPKSCD KTHTCPPCA PELLGGPSVF LFPPKPKDTL MISRTPEVTC
VVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTIKAKG QPREPQVYTL
PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQGPENNY KTTPLVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTKSL
SLSPGKHIIIH HH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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General references:

Dong H., *et al*, (1999) *Nat. Med.* 5:1365-1369.

Trabattoni D., *et al*, (2003) *Blood* 101:2514-2520.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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