

Active Recombinant Human PDCD1LG2, Fc-tagged, Biotinylated

Cat. No. PDCD1LG2-661H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human PD-L2-Fc fusion is expressed as a 429 amino acid protein consisting of Leu20 - Thr220 region of PD-L2 (UniProt accession #Q9BQ51) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Source	Human cells
Species	Human
Tag	Fc
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its receptor PD-1 in a functional ELISA. Blocks its ligand PD-L1"s and PD-L2"s binding to its receptor and mediated signaling activity.
Molecular Mass	Calculated molecular mass 48.2 kDa; estimated by SDS-PAGE under reducing condition ~60 kDa (probably due to glycosylation)
AA Sequence	LFTVTVPKELYIIIEHGSNVTLECNF DTGSHVNLGAITASLQKVENDTSPH RERATLLEEQLPLGKASFHIPQVQ VRDEGQYQCIIYGVAWDYKYLTLK VKASYRKINTHILKVPETDEVELTC QATGYPLAEVSWPNVSVPANTSHS RTPEGLYQVTSVLRKPPPGRNFSV VFWNTHVRELTLASIDLQSQMEPRT HPTSTGTHTCPPCPAPELLGGPSV FLFPPKPKDTLMISRTPEVTCVVVD

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VSHEDPEVKFNWYVDGVEVHNAKTK PREEQYNSTYRVVSVLTVLHQDWL
 NGKEYKCKVSNKALPAPIEKTISKA KGQPREPQVYTLPPSREEMTKNQVS
 LTCLVKGFYPSDIAVEWESNGQPE NNYKTTTPVLDSGGSFFLYSKLTVD
 KSRWQQGNVFSCSVMHEALHNHYTQ KSLSLSPGK

Endotoxin <0.1 eu per 1 µg of purified recombinant protein determined by the lal>

Purity >95% judged by SDS-PAGE under reducing condition

Storage The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name PDCD1LG2 programmed cell death 1 ligand 2 [Homo sapiens]

Official Symbol PDCD1LG2

Synonyms PDCD1LG2; programmed cell death 1 ligand 2; B7 dendritic cell molecule; B7 DC; bA574F11.2; Btdc; CD273; PD L2; PDL2; B7-DC; PD-1 ligand 2; PD-1-ligand 2; PDCD1 ligand 2; butyrophilin B7-DC; programmed death ligand 2; B7DC; PD-L2; PDCD1L2; MGC142238; MGC142240;

Gene ID 80380

mRNA Refseq NM_025239

Protein Refseq NP_079515

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MIM	605723
UniProt ID	Q9BQ51
Chromosome Location	9p24.2
Pathway	Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem; PD-1 signaling, organism-specific biosystem;
Function	molecular_function; protein tyrosine phosphatase activity; receptor activity;

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