

Active Recombinant Human PDCD1 Protein, Fc-His-tagged, PE-Labeled

Cat. No. PDCD1-4688H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PE-Labeled Recombinant Human Protein(Leu 25 - Gln 167), fused with Fc-His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu 25 - Gln 167
Form	Lyophilized from 0.22 µm filtered solution in PBS, 0.5% BSA, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Flow Cytometry assay shows that PE-Labeled Human PD-1, Fc,His Tag can bind to 293T cells overexpressing human PD-L1. 1 µL stock solution per million cells.FACS analysis shows that the binding of PE-Labeled Human PD-1, Fc,His Tag to 293T overexpressing PD-L1 was inhibited by increasing concentration of neutralizing anti-human PD-L1 antibody. The IC50 is 0.29 µg/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus, followed by a polyhistidine tag.The protein has a calculated MW of 44.7 kDa.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please protect from light and avoid repeated freeze-thaw cycles. This product is stable after at:

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-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [PDCD1 programmed cell death 1 \[Homo sapiens \]](#)

Official Symbol [PDCD1](#)

Synonyms PDCD1; programmed cell death 1; programmed cell death protein 1; CD279; PD1; protein PD-1; PD-1; SLEB2; hPD-1; hPD-I;

Gene ID [5133](#)

mRNA Refseq [NM_005018](#)

Protein Refseq [NP_005009](#)

MIM [600244](#)

UniProt ID [Q15116](#)

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