

Active Recombinant Human PDCD1 protein, His-tagged

Cat. No. PDCD1-28H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDCD1 fused with His tag at N-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human PD-1 at 10 µg/ml (100 µl/well) can bind recombinant human B7-H1 / PD-L1 / Fc chimera with a linear range of 0.02-0.4 µg/ml.
Molecular Mass	The recombinant mature human PD1 consists of 154 amino acids and has a calculated molecular mass of 17.4 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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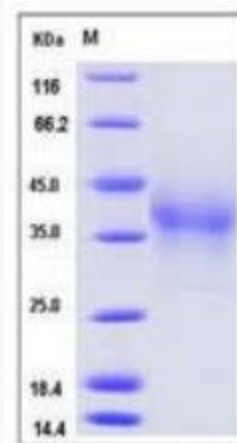
GENE INFORMATION

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
Chromosome Location	2q37.3
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; T cell receptor signaling pathway, organism-specific biosystem;
Function	protein binding; protein tyrosine phosphatase activity; signal transducer activity;

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