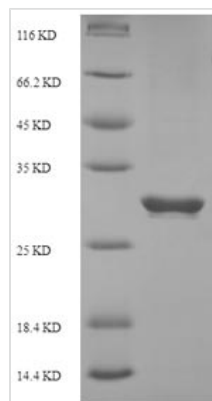




Recombinant Human Programmed cell death protein 1 (PDCD1), partial

Product Code	CSB-EP619964HU
Relevance	Inhibitory cell surface receptor involved in the regulation of T-cell function during immunity and tolerance. Upon ligand binding, inhibits T-cell effector functions in an antigen-specific manner. Possible cell death inducer, in association with other factors.
Abbreviation	Recombinant Human PDCD1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q15116
Alias	CD279
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	PGWFLDSPDRPWNPPPTFSPALLVTEGDNATFTCSFSNTSESFVLNWYRMSP SNQTDKLAAPFEDRSQPGQDCFRVTQLPNGRDFHMSVVRARRNDSTGYLC GAISLAPKAQIKESLRAELRVTERRAEVPTAHPSPSPRPAGQFQTLV
Research Area	Cell Biology
Source	E.coli
Target Names	PDCD1
Protein Names	Recommended name: Programmed cell death protein 1 Short name= Protein PD-1 Short name= hPD-1Alternative name(s): CD_antigen= CD279
Expression Region	21-170aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	32.8kDa
Protein Length	Extracellular Domain
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

This Recombinant Human PDCD1 protein is an essential research tool for cell biology studies. Programmed cell death protein 1 (PD-1), also known as CD279, is a key regulator of T-cell activation and immune tolerance, making it a crucial target in various immunological and cancer research applications.

Our Recombinant Human PDCD1 protein is expressed in an E.coli system and features the extracellular domain (21-170aa) for optimal compatibility with a wide range of research assays. The N-terminal 6xHis-SUMO tag ensures effective purification and detection processes. With a purity greater than 90% as determined by SDS-PAGE, this protein delivers consistent and reliable results for your cell biology research. Available in both liquid and lyophilized powder forms, our Recombinant Human PDCD1 protein is designed to meet the diverse requirements of your scientific projects.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.