

Product datasheet for **TP310364M**

PD1 (PDCD1) (NM_005018) Human Recombinant Protein

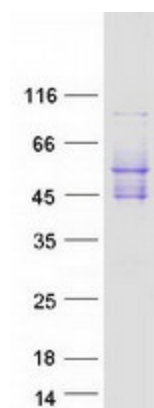
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human programmed cell death 1 (PDCD1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210364 protein sequence Red =Cloning site Green =Tags(s) MQIPQAPWPVWVAVLQLGWRPGWFLDSPDRPWNPTFSPALLVTEGDNATFTCSFSNTSESFVLNWM SPSNQTDKLAAPEDRSQPGQDCRFRTQLPNGRDFHMSVVRARRNDSGYLCGAISLAPKAQIKESLRA ELRVTERRAEVPTAHPSPRPAGQFQTLVGVVGGLLGLSVLLVWVLAVICSRAARGTIGARRTGQPLK EDPSAVPVFSVDYGELDFQWREKTPEPPVPCVPEQTEYATIVFPSGMGTSSPARRGSADGPRSAQPLRPE DGHCSWPL TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	29.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_005009</u>
Locus ID:	5133


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UniProt ID:	<u>Q15116</u>
RefSeq Size:	2115
Cytogenetics:	2q37.3
RefSeq ORF:	864
Synonyms:	CD279; hPD-1; hPD-I; hSLE1; PD-1; PD1; SLEB2
Summary:	Programmed cell death protein 1 (PDCD1) is an immune-inhibitory receptor expressed in activated T cells; it is involved in the regulation of T-cell functions, including those of effector CD8+ T cells. In addition, this protein can also promote the differentiation of CD4+ T cells into T regulatory cells. PDCD1 is expressed in many types of tumors including melanomas, and has demonstrated to play a role in anti-tumor immunity. Moreover, this protein has been shown to be involved in safeguarding against autoimmunity, however, it can also contribute to the inhibition of effective anti-tumor and anti-microbial immunity. [provided by RefSeq, Aug 2020]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), T cell receptor signaling pathway

Product images:



Coomassie blue staining of purified PDCD1 protein (Cat# [TP310364]). The protein was produced from HEK293T cells transfected with PDCD1 cDNA clone (Cat# [RC210364]) using MegaTran 2.0 (Cat# [TT210002]).