

Recombinant Rat PDCD1 Protein

Cat. No. PDCD1-703R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat PDCD1 protein without tag was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	287
Description	Predicted to be involved in negative regulation of immune response and positive regulation of T cell apoptotic process. Predicted to act upstream of or within negative regulation of apoptotic process; negative regulation of tolerance induction; and positive regulation of apoptotic process. Located in plasma membrane. Biomarker of anti-basement membrane glomerulonephritis; periodontitis; and pre-eclampsia. Human ortholog(s) of this gene implicated in autoimmune disease (multiple); hepatitis B; hepatitis C; hepatocellular carcinoma; and lupus nephritis. Orthologous to human PDCD1 (programmed cell death 1).
Form	Lyophilized
Molecular Mass	18.1 kDa
AA Sequence	MWVQQVPWSFTWAVLQLSWQSGWLLEVLNKPWRPLTFSPTWLTVSEGANATFTC SFSNWSEDLKLNWYRLSPSNQTEKQAAFCNGYSQPVRDARFQIVQLPNGHDFHMN ILDARRNDSGIYLCGAISLPPKAQIKESPGAELVVTIRILETPTRYPRPSPKPEGQFQG LVIVIMSVLVGIPVLLLLAWALAAFCSTGMSEAREAGRKEDPPKEAHAAPVPSVAYE

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	ELDFQGREKTPEPAPCVHTEYATIVFTEGLDASAIGRRGSADGPQGPRPPRHEDGH CSWPL
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	Pcdcd1 programmed cell death 1 [Rattus norvegicus]
Official Symbol	PDCD1
Synonyms	PDCD1; programmed cell death 1; programmed cell death protein 1;
Gene ID	301626

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mRNA Refseq	NM_001106927
Protein Refseq	NP_001100397
UniProt ID	D3ZIN8

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