

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	<p>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.</p> <p>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).</p>
Form	Lyophilized
Molecular Mass	18.1 kDa
AA Sequence	<p>MWVQQVPWSFTWAVLQLSWQSGWLLEVLNKPWRPLTFSPWLTVSEGANATFTC SFSNWSEDLKLNWYRLSPSNQTEKQAAFCNGYSQPVRDARFQIVQLPNGHDFHMN ILDARRNDSGIYLCGAISLPPKAQIKESPGAELVTERILETPTRYPRPSPKPEGQFQG LVIVIMSVLVGIPVLLLLLAWALAAF CSTGMSEAREAGRKEDPPKEAHAAPVPSVAYE</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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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