

Active Recombinant Rat PDCD1 protein(Met1-Gln167), hFc-tagged

Cat. No. PDCD1-1033R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat PDCD1 (NP_001100397.1)(Met1-Gln167) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Gln167
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized PD-1 Protein, Rat, Recombinant (hFc Tag) at 2 µg/mL (100 µL/well) can bind PD-L2 Protein, Mouse, Recombinant (His Tag), the EC50 is 120-780 ng/mL.
Molecular Mass	The recombinant Rat PDCD1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 384 amino acids and has a predicted molecular mass of 43.2 kDa. The apparent molecular mass of the protein is approximately 118.8 and 58.4 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
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GENE INFORMATION

Gene Name	Pdcd1 programmed cell death 1 [Rattus norvegicus]
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Official Symbol	PDCD1
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Synonyms	PDCD1; programmed cell death 1; programmed cell death protein 1;
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Gene ID	301626
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mRNA Refseq	NM_001106927
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Protein Refseq	NP_001100397
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