

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

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat PDCD1 (NP_001100397.1)(Met1-Gln167) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.                                                                                                                                                   |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Met1-Gln167                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                    |
| <b>Bio-activity</b>     | 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.                                                                                                                    |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 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.

**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.

## 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](#)

**mRNA Refseq** [NM\\_001106927](#)

**Protein Refseq** [NP\\_001100397](#)

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