Active Recombinant Porcine PDCD1 Protein, His-Tagged

Cat. No. PDCD1-01P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Porcine PDCD1 Protein, His-Tagged was expressed in CHO cell
Species	Porcine
Source	CHO
Description	Programmed Death-1 receptor (PD-1), also known as CD279, is type I transmembrane protein belonging to the CD28 family of immune regulatory receptors. Other members of this family include CD28, CTLA-4, ICOS, and BTLA.
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Porcine B7-H1 Fc Chimera is immobilized at 1 μg/mL, 100 μL/well, the concentration of Recombinant Porcine PD-1 His-tag that produces 50% of the optimal binding response is approximately 1-6 μg/mL.
Molecular Mass	17 kDa
N-terminal Sequence Analysis	Leu25
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by

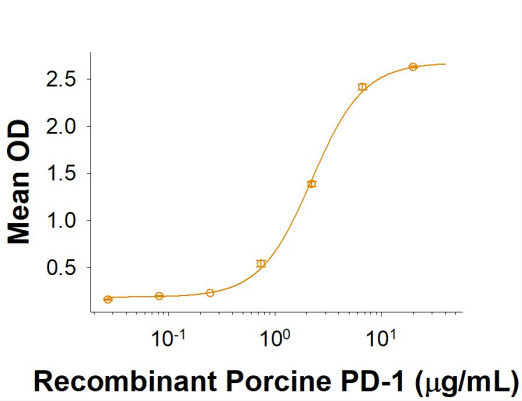
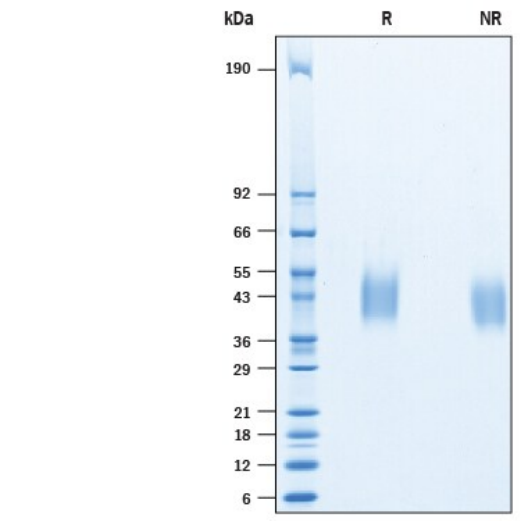
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	Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.
Reconstitution	Reconstitute at 500 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	PDCD1 programmed cell death 1 [Sus scrofa (pig)]
Official Symbol	PDCD1
Synonyms	CD279 antigen; CD279; hPD-1; PD1; PD-1; PD1hPD-l; PDCD1; programmed cell death 1; programmed cell death protein 1; Protein PD-1; SLEB2
Gene ID	100533201
mRNA Refseq	NM_001204379.1
Protein Refseq	NP_001191308.1

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Binding Activity	 When Recombinant Porcine B7-H1 Fc Chimera is immobilized at 1 g/mL, 100 μ/well, the concentration of Recombinant Porcine PD-1 His-tag that produces 50% of the optimal binding response is approximately 1-6 g/mL.
SDS-PAGE	 2 μg/lane of Recombinant Porcine PD-1 His-tag Protein was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie® Blue staining, showing bands at 36-48 kDa.

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