

## Active Recombinant Rat Pcsk9 protein, His-tagged

**Cat. No.** Pcsk9-915R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Pcsk9 protein(Gln 31 - Gln 691), fused with His tag, was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gln 31 - Gln 691
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5, 10% trehalose.
<b>Bio-activity</b>	Immobilized Human LDL R, Fc Tag at 5 µg/mL (100 µL/well) can bind Rat PCSK9, His Tag with a linear range of 0.156-0.625 µg/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus. This protein undergoes autocatalytic cleavage to release the pro-peptide and mature chain. The pro-peptide and mature chain are associated through non-covalent interactions and with a calculated MW of 13.9 kDa and 59.3 kDa respectively. The protein migrates as 16 kDa and 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by reduced SDS-PAGE.

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**Storage**

For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**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

<b>Gene Name</b>	Pcsk9 proprotein convertase subtilisin/kexin type 9 [ <i>Rattus norvegicus</i> ]
<b>Official Symbol</b>	Pcsk9
<b>Synonyms</b>	PCSK9; proprotein convertase subtilisin/kexin type 9; proprotein convertase 9; proprotein convertase PC9; subtilisin/kexin-like protease PC9; neural apoptosis regulated convertase 1; neural apoptosis-regulated convertase 1; PC9; Narc1; NARC-1;
<b>Gene ID</b>	298296
<b>mRNA Refseq</b>	NM_199253
<b>Protein Refseq</b>	NP_954862

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