# Pcsk9
# Recombinant Mouse Proprotein Convertase 9 / NARC-1 (His Tag)

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|---|---|---|---|
| **Catalog No.** | CRM576A-His<br>CRM576B-His | **Quantity:** | 10 µg<br>20 µg |

**Alternate Names:** Proprotein convertase subtilisin/kexin type 9, Neural apoptosis-regulated convertase 1, NARC-1, Proprotein convertase 9, PC9, Subtilisin/kexin-like protease PC9

**Description:** Proprotein convertase 9 (PC9) is a newly identified secretory subtilase belonging to the proteinase K subfamily of the secretory subtilase family. PC9 is an enzyme which in humans is encoded by the PCSK9 gene with orthologs found across many species. It is expressed in neuroepithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells. PC9 protein is highly expressed in the liver and regulates low density lipoprotein receptor (LDLR) protein levels. Inhibition of PC9 protein function is currently being explored as a means of lowering cholesterol levels.

**UniProt ID:** Q80W65

**Accession Number:** NP_705793.1

**Protein Construction:** A DNA sequence encoding the full length of mouse PCSK9 precursor (Met 1-Gln 694) was expressed, with a C-terminal polyhistidine tag.

**Source:** HEK293 Cells

**Formulation:** Lyophilized from sterile 15mM Tris, 90mM NaCl, 50% Glycerol, pH 7.5
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Molecular Weight:** The secreted rmPC9 consists of 671 aa with a predicted MW of 72.6 kDa and migrates at ~19 kDa and ~65 kDa corresponding to the prodomain and the mature form, respectively, in reduced SDS-PAGE, due to proteolysis and glycosylation.

**Purity:** > 95 % as determined by SDS-PAGE.

**Endotoxin Level:** < 1.0 EU per µg of the protein as determined by the LAL method

**Biological Activity:** In a functional ELISA, immobilized mouse PC9 at 10 µg/ml (100 µl/well) can bind biotinylated recombinant human LDLR . The EC50 of biotinylated human LDLR is 0.12 µg/ml.

**Predicted N-terminal:** Gln 35

**Reconstitution:** **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial.
**DO NOT VORTEX**. Allow several minutes for complete reconstitution.

**Storage & Stability:** Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
**Avoid repeated freeze-thaw cycles.**

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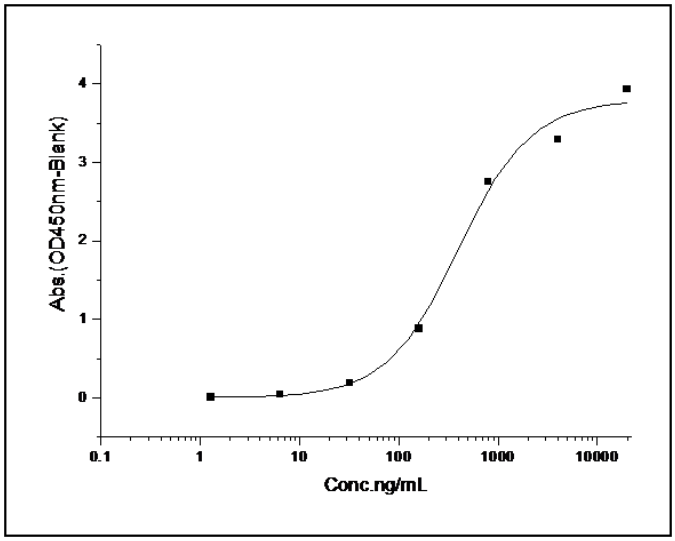
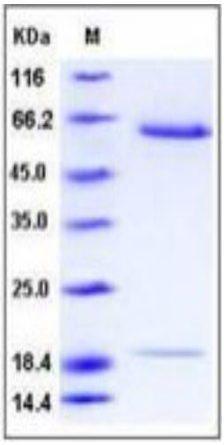
Measured by its binding ability in a functional ELISA. Immobilized mouse PC9 at 10 µg/ml (100 µl/well) can bind biotinylated recombinant human LDLR. The EC50 of biotinylated human LDLR is 0.12 µg/ml.




SDS-PAGE



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