

## General Information

### Gene Name Synonym

Neural apoptosis-regulated convertase 1;  
Proprotein convertase 9; Subtilisin/kexin-like  
protease PC9

### Protein Construction

A DNA sequence encoding the full length of mouse PCSK9 (NP\_705793.1) precursor (Met 1-Gln 694) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse PCSK9 at 10 µg/ml (100 µl/well) can bind biotinylated recombinant human LDLR. The EC<sub>50</sub> of biotinylated human LDLR is 0.12 µg/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gln 35

### Molecular Mass

The secreted recombinant mouse PCSK9 consists of 671 amino acids and has a calculated molecular mass of 72.6 kDa. As a result of proteolysis and glycosylation, the recombinant protein migrates as doublet with apparent molecular mass of approximately 19 & 65 kDa, corresponding to the prodomain and the mature form of PCSK9 respectively in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 15mM Tris, 90mM NaCl, 50% Glycerol, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

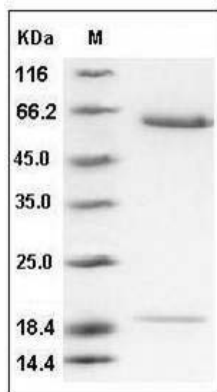
### SDS-PAGE

# Mouse PCSK9 (His Tag) recombinant protein



Catalog Number: 500685

---



Mouse PCSK9 / NARC1 Protein (His Tag) SDS-PAGE