

# Recombinant Mouse PCSK9 Protein

Catalog No.: RP01200 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	100102	Q80W65

### Tags

C-His

### Synonyms

PCSK9;FH3;HCHOLA3;LDLCQ1;NARC1;PC9;PCSK9

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
72.03 kDa	17 kDa, 65 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

### Basic Information

#### Description

Recombinant Mouse PCSK9 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln35-Gln694) of mouse PCSK9 (Accession #NP\_705793.1) fused with a 6×His tag at the C-terminus.

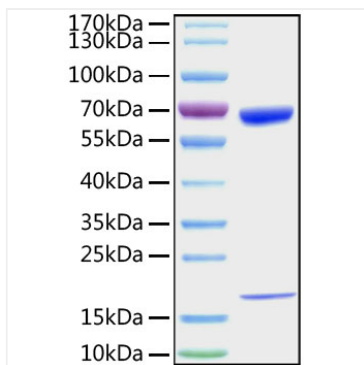
#### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human LDLR at 3 μg/mL (100 μL/well) can bind Recombinant Mouse PCSK9 with a linear range of 0.2-0.6 μg/mL.

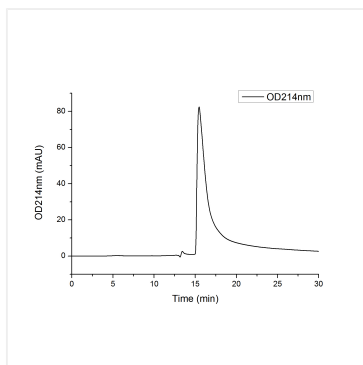
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

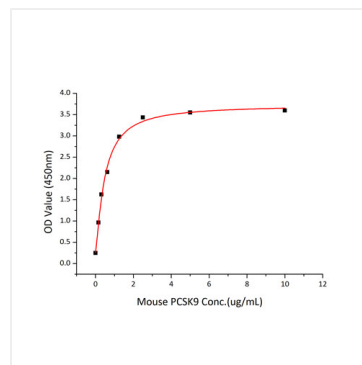
## Validation Data



Active Recombinant Mouse PCSK9 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 17 kDa and 65 kDa.



The purity of Mouse PCSK9 Protein (Cat.RP01200) was greater than 95% as determined by SEC-HPLC.



Immobilized Recombinant Human LDLR at 3 $\mu$ g/mL (100  $\mu$ L/well) can bind Recombinant Mouse PCSK9 with a linear range of 0.2-0.8  $\mu$ g/mL.