

Recombinant Mouse Pcsk9 protein, His-tagged

Cat. No. Pcsk9-663M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pcsk9 protein (Gln35-Gln694) was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	Gln35-Gln694
Description	<p>Proprotein convertase subtilisin/kexin type 9 (PCSK9) is also known as NARC1 (neural apoptosis regulated convertase), is a newly identified subtilase belonging to the peptidase S8 subfamily. Mouse PCSK9 is synthesized as a soluble zymogen, and undergoes autocatalytic intramolecular processing in the endoplasmic reticulum, resulting in the cleavage of its propeptide that remains associated with the secreted active enzyme with a broad alkaline pH optimum. This protein plays a major regulatory role in cholesterol homeostasis. PCSK9 binds to the epidermal growth factor-like repeat A (EGF-A) domain of the low-density lipoprotein receptor (LDLR), inducing LDLR degradation. PCSK9 may also have a role in the differentiation of cortical neurons. Mutations in this gene have been associated with a rare form of autosomal dominant familial hypercholesterolemia (HCHOLA3).</p>
Predicted N Terminal	Gln35
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.

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Molecular Mass	The protein has a calculated MW of 72.0 kDa. The protein migrates as 17 kDa and 65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation and proteolytic digestion.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>97% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade 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

Gene Name	Pcsk9
Official Symbol	Pcsk9
Synonyms	PCSK9; proprotein convertase subtilisin/kexin type 9; NARC-1; convertase subtilisin; proprotein convertase 9; proprotein convertase PC9; subtilisin/kexin-like protease PC9; neural apoptosis regulated convertase 1; neural apoptosis-regulated convertase 1; FH3; PC9; Narc1; HCHOLA3; AI415265; AI747682; MGC47409
Gene ID	100102

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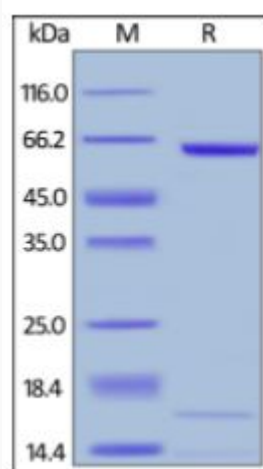
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mRNA Refseq [NM_153565](#)


Protein Refseq [NP_705793](#)

UniProt ID [Q80W65](#)


**SDS-PAGE of Pcsk9-
663M**



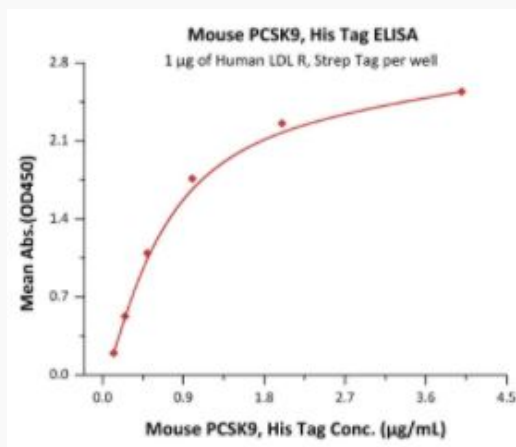
Mouse PCSK9, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 97%.

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**Bioactivity-ELISA of
Pcsk9-663M**



Immobilized Human LDL R, Strep Tag at 10 µg/mL (100 µL/well) can bind Mouse PCSK9, His Tag with a linear range of 0.125-1 µg/mL (QC tested).

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