

Datasheet for ABIN2181589

PCSK9 Protein (AA 35-694) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	PCSK9
Protein Characteristics:	AA 35-694
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PCSK9 protein is labelled with His tag.

Product Details

Sequence:	AA 35-694
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 72 kDa. The protein migrates as 20 kDa and 64 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation and proteolytic digestion.
Purity:	>97 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	PCSK9
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Target Details

Alternative Name: PCSK9 ([PCSK9 Products](#))

Background: 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).

Molecular Weight: 13.9 kDa and 58.2 kDa

Application Details

Restrictions: For Research Use only

Handling

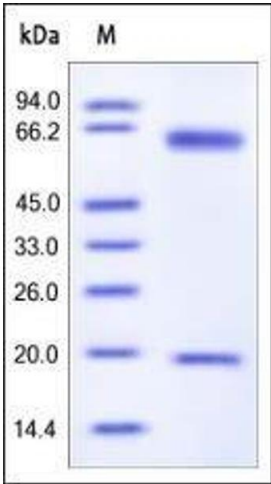
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

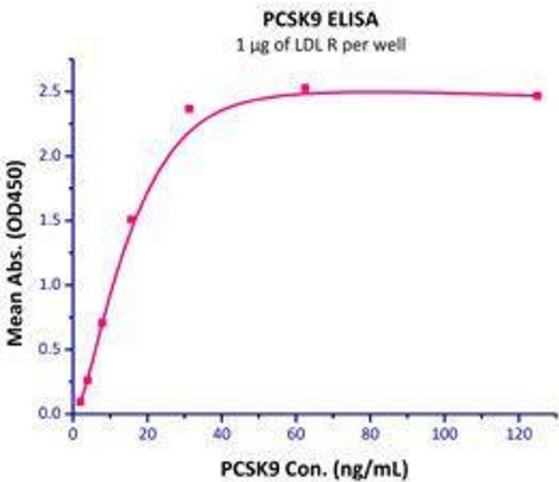
Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).



SDS-PAGE

Image 1. 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%.



Binding Studies

Image 2. Immobilized Human LDL R, Strep Tag (Cat# LDR-H5281) at 10 µg/mL (100 µl/well) can bind Mouse PCSK9, His Tag (Cat# PC9-M5228) with a linear range of 2-30 ng/mL.