

Datasheet for ABIN5608289

PCSK9 Protein (partial) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	PCSK9
Protein Characteristics:	partial
Origin:	Hamster, Chinese Hamster
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PCSK9 protein is labelled with His tag.
Application:	Western Blotting (WB), ELISA

Product Details

Sequence:	Gln 30 - Ser 691
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per µg by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human LDL R (High Purity) Protein, Strep Tag at 5 µg/mL (100 µL/well) can bind Hamster PCSK9 Protein, His Tag with a linear range of 6-50 ng/mL (QC tested).

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: 73 kDa

UniProt: [G3GTK5](#)

Application Details

Application Notes: This recombinant protein can be used for E, WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C, -80 °C

Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.