

Datasheet for ABIN2181580

PCSK9 Protein (AA 31-692) (His tag)

3 Images

10 Publications

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Overview

| | |
|-------------------------------|--|
| Quantity: | 50 µg |
| Target: | PCSK9 |
| Protein Characteristics: | AA 31-692 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This PCSK9 protein is labelled with His tag. |

Product Details

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|------------------|--|
| Sequence: | AA 31-692 |
| Characteristics: | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 75.1 kDa. The protein migrates as 20 kDa and 62 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

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|---------|-------|
| Target: | PCSK9 |
|---------|-------|

Target Details

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

Background: Proprotein convertase subtilisin/kexin type 9 (PCSK9), is an enzyme which in humans is encoded by the PCSK9 gene. This gene encodes a proprotein convertase belonging to the proteinase K subfamily of the secretory subtilase family. 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: 13.8 kDa and 58.1 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

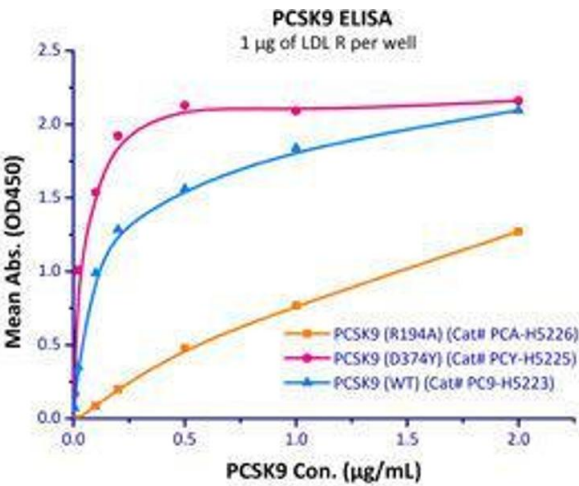
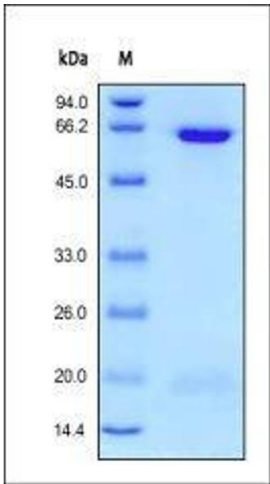
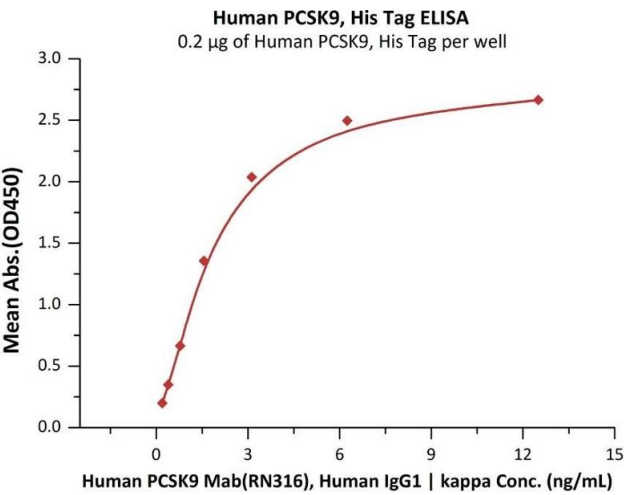
Storage: -20 °C

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

Publications

Product cited in: McGonigle, Majumder, Kolber-Simonds, Wu, Hart, Noland, TenDyke, Custar, Li, Du, Postema, Lai, Twine, Woodall-Jappe, Nomoto: "Neuropilin-1 drives tumor-specific uptake of chlorotoxin." in: **Cell communication and signaling : CCS**, Vol. 17, Issue 1, pp. 67, (2019) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



ELISA

Image 1. Immobilized Human PCSK9, His Tag (ABIN2181580,ABIN2181579) at 1 µg/mL (100 µL/well) on His Tag Antibody, mAb, Mouse precoated (0.1 µg/well) plate, can bind PCSK9 Mab, Human IgG1 with a linear range of 0.2-3 ng/mL (Routinely tested).

SDS-PAGE

Image 2. Human 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 3. Immobilized Human LDL R, His Tag (Cat# LDR-H5224) at 10 µg/mL (100 µL/well) can bind Human PCSK9, His Tag (Cat# PC9-H5223) with a linear range of 0.05-0.5 µg/mL.