

RP01148

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Recombinant Human PCSK9 Protein

Catalog No.: RP01148

Recombinant

1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	255738	Q8NBP7

Tags

C-His

Synonyms

FH3; HCHOLA3; LDLCQ1; NARC-1; NARC1; PC9; PCSK9; FH3; proprotein convertase subtilisin/kexin type 9; HCHOLA3; LDLCQ1; NARC-1; NARC1; PC9

Product Information

Source

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.

Purification

≥ 90 % as determined by SDS-PAGE.

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.

Background

PCSK9, also known as NARC1 (neural apoptosis regulated convertase), which is a newly identified human secretory subtilase belonging to the proteinase K subfamily of the secretory subtilase family. PCSK9 protein is an enzyme which in humans is encoded by the PCSK9 gene with orthologs found across many species. It is expressed in neuroepithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells. PCSK9 protein is highly expressed in the liver and regulates low density lipoprotein receptor (LDLR) protein levels. Inhibition of PCSK9 protein function is currently being explored as a means of lowering cholesterol levels. Thereby, PCSK9 protein is regarded as a new strategy to treat hypercholesterolemia. PCSK9 protein contributes to cholesterol homeostasis and may have a role in the differentiation of cortical neurons.

Basic Information

Description

Recombinant Human PCSK9 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln31-Gln692) of human PCSK9 (Accession #NP_777596.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human LDLR at 5μg/mL (100 μL/well) can bind Human PCSK9 with a linear range of 0.5-294.7ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

Reconstitution

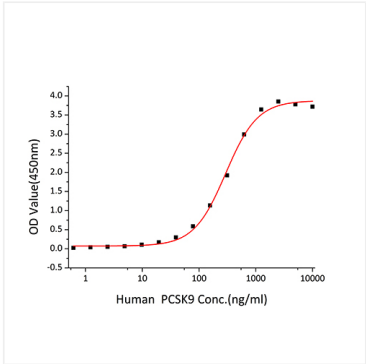
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Contact

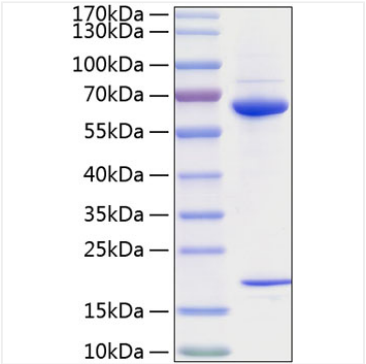


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Validation Data



Immobilized Human LDLR at 5µg/mL (100 µL/well) can bind Human PCSK9 with a linear range of 0.5-294.7ng/mL.



Recombinant Human PCSK9 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.