CREATIVE BIOMART®
Immune Checkpoints

Recombinant Human PCSK9 Protein, C-His-tagged

Product Information

Cat	*IMP-4872*
Official Symbol	*PCSK9*
Product Overview	*Recombinant human PCSK9 (NP_777596.2, with mutation Asp 374 Tyr) (Met1-Gln692) was expressed with a polyhistidine tag at the C-terminus.*
Description	*Proprotein convertase subtilisin/kexin type 9 (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.*
Expression System	*HEK293*
Species	*Human*
Tag	*C-His*
Predicted N Terminal	*Gln 31*
Form	*Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5% mannitol and 0.01% Tween80.*
Molecular Mass	*The recombinant human PCSK9 consists of 673 amino acids and predicts a molecular mass of 72.5 kDa.*
Protein length	*Met1-Gln692*
Endotoxin	*< 1.0 EU/μg of the protein as determined by the LAL method*
Purity	*> 95 % as determined by SDS-PAGE*
Storage	*Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.*
Reconstitution	*A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.*

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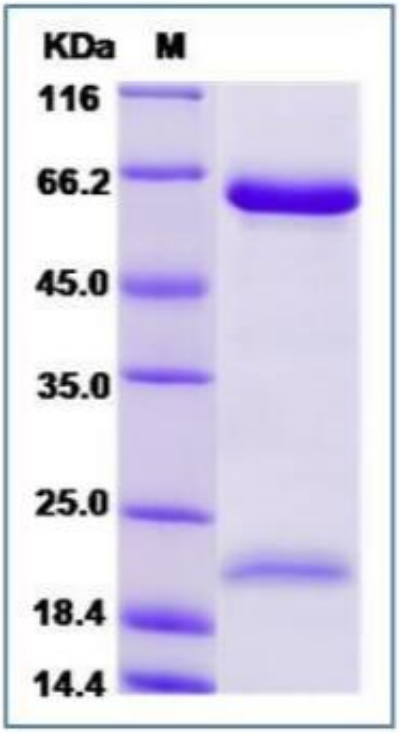
SDS-PAGE



Bioactivity-ELISA 1

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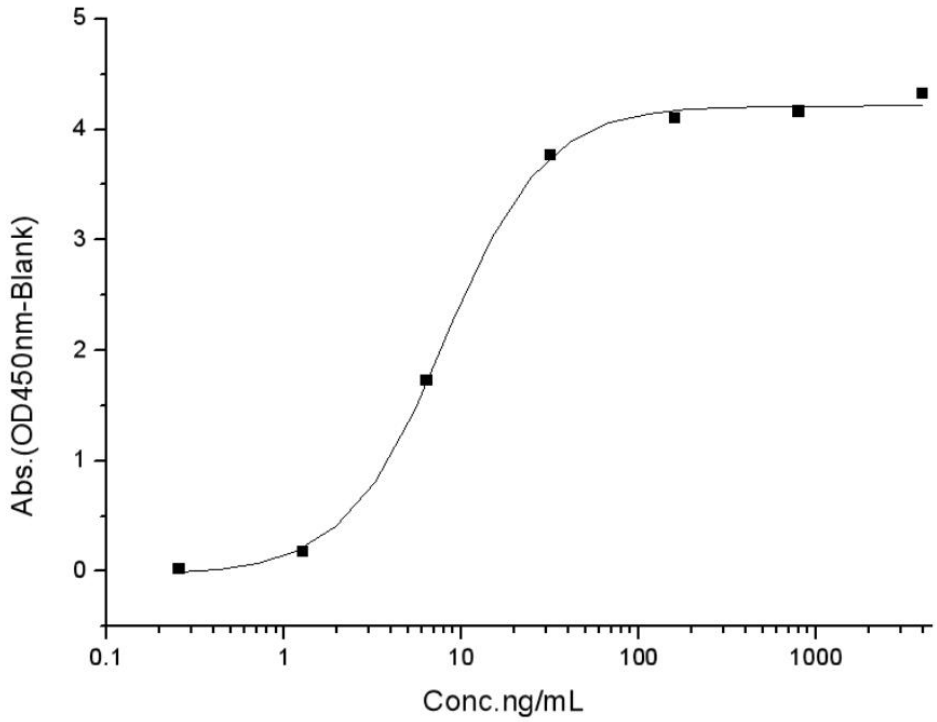

Measured by its binding ability in a functional ELISA. Immobilized human LDLR mFc at 2 μg/mL (100 μL/well) can bind Human PCSK9(D374Y) His, the EC50 of PCSK9(D374Y) His is 1-20 ng/mL.

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