

PCSK9 active protein

PCSK9 Protein, Mouse, Recombinant (His Tag)

CATALOG #
AAA258147

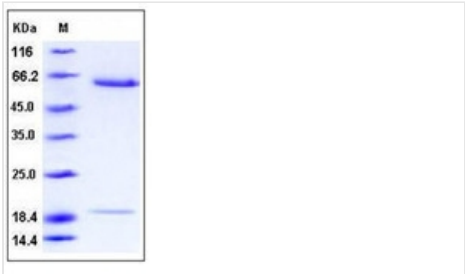
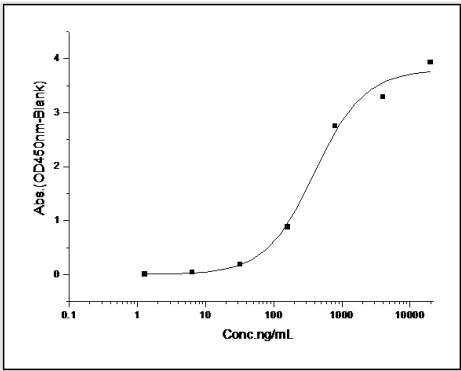
HOST
HEK293 Cells

PRODUCT SYNONYMS

PCSK9; PCSK9 Protein; Mouse; Recombinant (His Tag); Mouse PCSK9/NARC1 Protein (His Tag); AI415265 Protein; AI747682 Protein; FH3 Protein; HCHOLA3 Protein; Narc1 Protein; PC9 Protein; proprotein convertase subtilisin/kexin type 9; PCSK9 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile 15mM Tris, 90mM NaCl, 50% Glycerol, pH7.5. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Gln69 4
Species	Mouse
Activity	Measured by its binding ability in a functional ELISA. Immobilized mouse PCSK9 at 10ug/ml (100uL/well) can bind biotinylated recombinant human LDLR. The EC50 of biotinylated human LDLR is 0.12ug/ml.
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Gln 35
Tag	C-His
Protein Construction	A DNA sequence encoding the full length of mouse PCSK9 (NP_705793.1) precursor (Met 1-Gln 694) was expressed, with a C-terminal polyhistidine tag.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured by its binding ability in a functional ELISA. Immobilized mouse PCSK9 at 10 ug/ml (100 ul/well) can bind biotinylated recombinant human LDLR. The EC50 of biotinylated human LDLR is 0.12 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for PCSK9 active protein	Background: 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.
Product Categories/Family for PCSK9 active protein	Serine Proteases and Regulators
References	Sseidah, N.G. et al., 2003, Proc. Natl. Acad. Sci. USA. 100: 928-933. Beyer, T.P. et al., 2007, J. Lipid. Res. 48: 1488-1498 Shan, L. et al., 2008, Biochem. Biophys. Res. Commun. 375: 69-73. Benjannet, S. et al., 2005, J. Biol. Chem. 279: 48865-48875. Abifadel, M. et al., 2003, Nat. Genet. 34: 154-156.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23956352
NCBI GeneID	100102
NCBI Accession #	NP_705793.1
NCBI GenBank Nucleotide #	NM_153565.2
UniProt Accession #	Q80W65; Q3UEH7; Q8BXW9; Q8CFT6; B1AZI4
Molecular Weight	74,823 Da
NCBI Official Full Name	proprotein convertase subtilisin/kexin type 9
NCBI Official Synonym Full Names	proprotein convertase subtilisin/kexin type 9
NCBI Official Symbol	Pcsk9
NCBI Official Synonym Symbols	FH3; PC9; Narc1; HCHOLA3; AI415265; AI747682
NCBI Protein Information	proprotein convertase subtilisin/kexin type 9
UniProt Protein Name	Proprotein convertase subtilisin/kexin type 9
UniProt Gene Name	Pcsk9

UniProt Synonym Gene Names	Narc1; NARC-1; PC9
UniProt Entry Name	PCSK9_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-cells-active-protein/pcsk9/258147>