Datasheet for ABIN7320347

PCSK9 Protein (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	PCSK9
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PCSK9 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse PCSK9/NARC1 Protein (His Tag)(Active)
Sequence:	Met 1-Gln 694
Characteristics:	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.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized mouse PCSK9 at 10 µg/ml (100 µl/well) can bind biotinylated recombinant human LDLR. The EC50 of biotinylated human LDLR is 0.12 µg/ml.

Target Details

Target:	PCSK9

Target Details

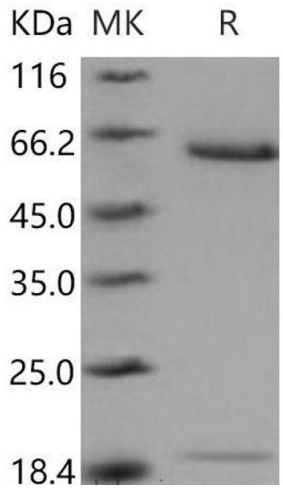
Alternative Name:	PCSK9/NARC1 (PCSK9 Products)
Background:	Background: Proprotein convertase subtilisin/kexin type 9 (PCSK9), also known as NARC1 (neural apoptosis regulated convertase), which is a newly identified human secretory subtilase belonging to the proteinase K subfamily of the secretory subtilase 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. References Synonym: Proprotein Convertase Subtilisin/Kexin Type 9, Neural Apoptosis-Regulated Convertase 1, NARC-1, Proprotein Convertase 9, PC9, Subtilisin/Kexin-Like Protease PC9, Pcsk9, Narc1,FH3,HCHOLA3,Narc1
Molecular Weight:	72.6 kDa
NCBI Accession:	NP_705793

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 15 mM Tris, 90 mM NaCl, 50 % Glycerol, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.