Datasheet for ABIN7505800

PCSK9 Protein (AA 1-691) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	PCSK9
Protein Characteristics:	AA 1-691
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCSK9 protein is labelled with His tag.

Product Details

Sequence:	Met 1-Gln 691
Characteristics:	A DNA sequence encoding the Rat PCSK9 protein (P59996) (Met 1-Gln 691) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	PCSK9
Alternative Name:	PCSK9 (PCSK9 Products)
Background:	Abbreviation: PCSK9 Target Synonym: Proprotein convertase subtilisin/kexin type 9,EC 3.4.21,Neural apoptosis-regulated convertase 1,NARC-1,Proprotein convertase 9,PC9,Subtilisin/kexin-like protease PC9 Background: Proprotein convertase subtilisin/kexin type 9 (PCSK9), also known as NARC1

Target Details

	(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.
Molecular Weight:	Calculated MW: 75.9 kDa Observed MW: 60 kDa
UniProt:	P59996

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
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.
Expiry Date:	12 months