Datasheet for ABIN7505400

PCSK9 Protein (AA 476-592) (GST tag)

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Overview

Quantity:	100 µg
Target:	PCSK9
Protein Characteristics:	AA 476-592
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCSK9 protein is labelled with GST tag.

Product Details

Sequence:	Ala 476-Val 592
Characteristics:	A DNA sequence encoding the Mouse Pcsk9 protein (Q80W65) (Ala 476-Val 592) was expressed with a N-GST tag.
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,Neural Apoptosis-Regulated Convertase 1,NARC-1,Proprotein Convertase 9,PC9,Subtilisin/Kexin-Like Protease PC9,Pcsk9,Narc1,FH3,HCHOLA3,Narc1

Target Details

	Background: roprotein 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.
Molecular Weight:	Calculated MW: 37.76 kDa Observed MW: 35 kDa
UniProt:	Q80W65

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