Datasheet for ABIN7505693

PCSK9 Protein (AA 1-692) (His tag)

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Overview

Quantity:	100 µg
Target:	PCSK9
Protein Characteristics:	AA 1-692
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCSK9 protein is labelled with His tag.

Product Details

Sequence:	Met1-Gln692
Characteristics:	A DNA sequence encoding the Human PCSK9 protein (Q8NBP7) (Met1-Gln692) 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,Neural Apoptosis-Regulated Convertase 1,NARC-1,Proprotein Convertase 9,PC9,Subtilisin/Kexin-Like Protease PC9,PCSK9,NARC1

Target Details

	Background: Human Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) is a secretory subtilase belonging to the proteinase K subfamily. PCSK9 is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the ER , the pro domain and mature chain secrete together through noncovalent interactions. PCSK9 binds with low-density lipoprotein receptor (LDLR) and plays a major regulatory role in cholesterol homeostasis. Inhibition of PCSK9 function by preventing PCSK9/LDLR interaction is currently being explored as a means of lowering cholesterol levels. PCSK9 also binds to apolipoprotein receptor 2 (ApoER2), and play a role in the neural development.
Molecular Weight:	Calculated MW: 76.01 kDa Observed MW: 60 kDa
UniProt:	Q8NBP7

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