Datasheet for ABIN7318941

PCSK9 Protein (AVI tag)

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Overview

Quantity:	100 µg
Target:	PCSK9
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PCSK9 protein is labelled with AVI tag.

Product Details

Purpose:	Recombinant Human PCSK9 Protein (AVI Tag)(Active)
Sequence:	Gln31-Gln152&Ser153-Gln692
Characteristics:	Recombinant Human Proprotein Convertase Subtilisin/Kexin Type 9 is produced by our Mammalian expression system and the target gene encoding Gln31-Gln152&Ser153-Gln692 is expressed with a AVI tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human LDLR-His(Cat: PKSH033435) at 10µg/ml(100 µl/well) can bind Human PCSK9-BiotinylatedAVI. The ED50 of Human PCSK9-BiotinylatedAVI is 126.41ug/ml .

Target Details

Target:	PCSK9

Target Details

Alternative Name:	PCSK9 (PCSK9 Products)
Background:	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. 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
Molecular Weight:	14&59
UniProt:	Q8NBP7

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 μm filtered solution of 50 mM HEPES,150 mM NaCl,20 % Glycerol, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.