

Datasheet for ABIN7318942

PCSK9 Protein (D374Y) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	PCSK9
Protein Characteristics:	D374Y
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCSK9 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PCSK9 Protein (D374Y, His Tag)
Sequence:	Gln31-Gln692(D374Y)
Characteristics:	Recombinant Human Proprotein Convertase Subtilisin/Kexin Type 9 is produced by our Mammalian expression system and the target gene encoding Gln31-Gln692(D374Y) is expressed with a 6His 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.

Target Details

Target:	PCSK9
Alternative Name:	PCSK9 (PCSK9 Products)

Target Details

Background:	<p>Background: Recombinant Human Proprotein Convertase Subtilisin/Kexin Type 9/PCSK9 (D374Y) is a gain of function mutant of human PCSK9 protein. Human 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 are secreted together through noncovalent interactions. PCSK9 binds with low-density lipoprotein receptor (LDLR) and it 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.</p> <p>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</p>
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Molecular Weight:	71.1 kDa
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UniProt:	Q8NBP7
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Application Details

Restrictions:	For Research Use only
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Handling

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