

Recombinant Human PCSK9 Protein, C-AVI tagged, Biotinylated

Cat. No. PCSK9-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Proprotein Convertase 9 is produced by our Mammalian expression system and the target gene encoding Gln31-Gln692 is expressed with a AVI tag at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	Gln31-Gln692(Val474Ile, Gly670Glu)
Description	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.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg)
Storage Buffer	Supplied as a 0.2 μm filtered solution of 50 mM HEPES, 150 mM NaCl, pH 7.4.

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Shipping	Dry ice/Polar packs
Conjugation	Biotin
GENE INFORMATION	
Gene Name	PCSK9 proprotein convertase subtilisin/kexin type 9 [Homo sapiens (human)]
Official Symbol	PCSK9
Synonyms	Proprotein Convertase Subtilisin/Kexin Type 9; Neural Apoptosis-Regulated Convertase 1; NARC-1; Proprotein Convertase 9; PC9; Subtilisin/Kexin-Like Protease PC9; PCSK9; NARC1
Gene ID	255738
mRNA Refseq	NM_174936
Protein Refseq	NP_777596
MIM	607786
UniProt ID	Q8NBP7

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