

Recombinant Human PCSK9, HIS/HA/AVI-tagged

Cat. No. PCSK9-153H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human Proprotein Convertase Subtilisin/Kexin Type 9/PCSK9 (biotinylated with His tag) is produced by our mammalian expression system. The target protein is expressed with sequence (Q31-Q692) of Human PCSK9 fused with a HIS/HA/AVI tag at the C-terminus.

Species Human

Source HEK293

ProteinLength 31-692 a.a.

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 IEU/μg).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

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GENE INFORMATION

Gene Name	PCSK9 proprotein convertase subtilisin/kexin type 9 [Homo sapiens]
Official Symbol	PCSK9
Synonyms	PCSK9; proprotein convertase subtilisin/kexin type 9; HCHOLA3, hypercholesterolemia, autosomal dominant 3; FH3; NARC 1; NARC1; NARC-1; HCHOLA3;
Gene ID	353175
MIM	607786
UniProt ID	Q8NBP7
Chromosome Location	1p34.1-p32

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