Recombinant Human PCSK9 Protein, DDK/HIS-tagged

Cat. No. PCSK9-168H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCSK9 fused with DDK/His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an autocatalytic processing event with its prosegment in the ER and is constitutively secreted as an inactive protease into the extracellular matrix and trans-Golgi network. It is expressed in liver, intestine and kidney tissues and escorts specific receptors for lysosomal degradation. It plays a role in cholesterol and fatty acid metabolism. Mutations in this gene have been associated with autosomal dominant familial hypercholesterolemia. Alternative splicing results in multiple transcript variants.
Form	1 x PBS, pH7.4. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	71
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 ug/mL as determined by microplate BCA method

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
mRNA Refseq	NM_174936
Protein Refseq	NP_777596
MIM	607786
UniProt ID	Q8NBP7

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