

Recombinant Human PCSK9 Protein, His-tagged

Cat. No. PCSK9-408H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PCSK9 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	692
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	Lyophilized
Molecular Mass	72 kDa
AA Sequence	MGTVSSRRSWWPLPLLLLLLLLLLGPAGARAQEDG DY EELVLALRSEEDGLAEAP EHGTTATFHRC AKDPWRLPGTYVVVLKEETHLSQSERTARRLQAQAARRGYLTKIL

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HVFHGLLPGLVVKMSGDLLELALKLPHVDYIEEDSSVFAQSIPWNLERITPPRYRADE
YQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTDFFENVPEEDGTRFHRQASKCDSH
GTHLAGVVSGRDAGVAKGASMRSLRVLNCQGKGTVSGTLIGLEFIRKSQVLVQPVGP
LVVLLPLAGGYSRVLNAACQRLARAGVVLVTAAGNFRDDACLYSPASAPEVITVGAT
NAQDQPVTGLTGTNFGRCVDLFAPGEDIIGASSDCSTCFVSQSGTSQAAAHVAGIA
AMMLSAEPELTLAELRQRLIHFSKDVINEAWFPEDQRVLTPLNVAALPPSTHGAGW
QLFCRTVWSAHS GPTRMATAVARCAPDEELLSCSSF SRSGKRRGERMEAQGGKLV
CRAHNAFGGEGVYAIARCCLLPQANCSVHTAPPAEASMGTRVHCHQQGHVLTGCS
SHWEVEDLGTHKPPVLRPRGQPNQCVGHREASIHASCCHAPGLECKVKEHGIPAP
QEQVTVACEEGWTLTGCSALPGTSHVLGAYAVDNTCVVRSRDVSTTGSTSEGA VT
AVAICCRSRHLAQASQELQ

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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GENE INFORMATION

Gene Name	PCSK9 proprotein convertase subtilisin/kexin type 9 [Homo sapiens (human)]
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	255738
mRNA Refseq	NM_174936
Protein Refseq	NP_777596
MIM	607786
UniProt ID	Q8NBP7

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