

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	<p>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.</p>
Form	Lyophilized
Molecular Mass	72 kDa
AA Sequence	MGTVSSRRSWWPLPLLLLLLLLLLGPAGARAQEDDGDYEELVLALRSEEDGLAEAP EHGTTATFHRCADPWRLPGTYVVVLKEETHLSQSERTARRLQAQAARRGYLTKIL

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HVFGHLLPGFLVKMSGDLLELALKLPHVDYIEEDSSVFAQSIPWNLERITPPRYRADE
 YQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTDFFENVPEEDGTRFHRQASKCDSH
 GTHLAGVVSGRDAGVAKGASMRSLRVLNCQGKGTVSGTLIGLEFIRKSQVLVQPVGP
 LVVLLPLAGGYSRVLNAACQRLARAGVVLVTAAGNFRDDACLYSPASAPEVITVGAT
 NAQDQPVTGLTGTNFGRCVDLFAPGEDIIIGASSDCSTCFVSQSGTSQAAAHVAGIA
 AMMLSAEPELTLAELRQRLIHFSKDVINEAWFPEDQRVLTPNLVAALPPSTHGAGW
 QLFCRTVWSAHS GPTRMATAVARCAPDEELLSCSSF SRSGKRRGERMEAQGGKLV
 CRAHNAFGGEGVYAIARCCLLPQANCSVHTAPPAEASMGTRVHCHQQGHVLTGCS
 SHWEVEDLGTHKPPVLRPRGQPNQCVGHREASIHASCCHAPGLECKVKEHGIPAP
 QEQTVACEEGWTLTGCSALPGTSHVLGAYAVDNTCVVRSRDVSTTGSTSEGAVT
 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 H₂O 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 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA