

Recombinant Human PCSK9 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. PCSK9-035H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PCSK9 MS Standard C13 and N15-labeled recombinant protein (NP_777596) with a C-terminal MYC/DDK tag, 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.
Molecular Mass	71 kDa
AA Sequence	MGTVSSRRSWWPLPLLLLLLLLLLPAGARAQEDEDGDYEELVLALRSEEDGLAEAP EHGTTATFHRCADPWRLPGTYVVVLKEETHLSQSERTARRLQAQAARRGYLTKIL HVFHGLLPGLVVKMSGDLLELALKLPHVDYIEEDSSVFAQSIPWNLERITPPRYRADE

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YQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTD FENVPEEDGTRFHRQASKCD SH
 GTHLAGVVSGRDAGVAKGASMRSLRVLNCQGKGT VSGTLIGLEFIRKSQ LVPVGP
 LVVLLPLAGGYSRVLNAACQRLARAGVVLVTAAGNFRDDACLYSPASAPEVITVGAT
 NAQDQPVTLGTLGTNFGRCVDLFPAGEDII GASSDCSTCFVSQSGTSQAAAHVAGIA
 AMMLSAEPELTLAELRQRLIHFSKDVINEAWFPEDQ RVLTPNLVAALPPSTHGAGW
 QLFCRTVWSAHS GPTRMATAVARCAPDEELLSCSSFSRSGKRRGERMEAQGGKLV
 CRAHNAFGGEGVYAIARCCLLPQANCSVHTAPPAEASMGTRVHCHQQGHVLTGCS
 SHWEVEDLGTHKPPVLRPRGQPNQCVGHREASIHASCCHAPGLECKVKEHGIPAP
 QEQVTVACEEGWTLTGCSALPGTSHVLGAYAVDNTCVVRSRDVSTTGSTSEGA VT
 AVAICCRSRHLAQASQELQSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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; FH3; HCHOLA3; LDLCQ1; NARC-1; NARC1; PC9; proprotein convertase subtilisin/kexin type 9; convertase subtilisin/kexin type 9 preproprotein; neural apoptosis regulated convertase 1;

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subtilisin/kexin-like protease PC9

Gene ID [255738](#)

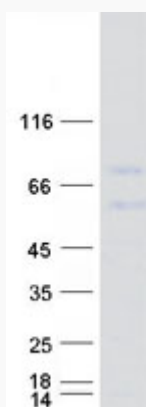
mRNA Refseq [NM_174936](#)

Protein Refseq [NP_777596](#)

MIM [607786](#)

UniProt ID [Q8NBP7](#)

SDS-PAGE



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