

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

MGTVSSRRSWWPLPLLLLLLLLLLGPAGARAQEDEDGDYEELVLALRSEEDGLAEAP
EHGTTATFHRCAKDPWRLPGTYVVVLKEETHLSQSERTARRLQAQAARRGYLTKIL
HVFHGLLPGLVKMSGDLLELALKLPHVDYIEEDSSVFAQSIPWNLERITPPRYRADE

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YQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTD FENVPEEDGTRFHRQASKCDSH
 GTHLAGVVSGRDAGVAKGASMRSLRVLNQCQKGT VSGTLIGLEFIRKSQLVQPVGP
 LVVLLPLAGGYSRVLNAACQRLARAGVVLVTAAGNFRDDACLYSPASAPEVITVGAT
 NAQDQPVT LGTLGTNFGRCVDL FAPGEDII GASSDCSTCFVSQSGTSQAAAHVAGIA
 AMMLSAEPELTLAELRQRLIHFSKDVINEAWFPEDQRVLT PNLVAALPPSTHGAGW
 QLFCRTVWSAHS GPTRMATAVARCAPDEELLSCSSFSRS GKRRGERMEAQGGKLV
 CRAHNAFGGEGVYAIARCCLLPQANCSVHTAPP AEASMGTRVHCHQQGHVLTGCS
 SHWEVEDL GTHKPPVLRPRGQPNQCVGHREASIHASCCHAPGLECKVKEHGIPAP
 QEQVTVACEEGWTLTGCSALPGTSHVLGAYAVDNTCVVRSRDVSTTGSTSEGAVT
 AVAICCRSRHLAQASQELQSGPTRRTRRLEQKLISEEDLAANDILDYKDDDDKV

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** 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