

Recombinant Full Length Human PCSK9 Protein, C-Flag-tagged

Cat. No. PCSK9-1321HFL **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Recombinant Full Length Human PCSK9 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells. |
| Species | Human |
| Source | Mammalian Cells |
| 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 | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| Molecular Mass | 71 kDa |
| AA Sequence | MGTVSSRRSWWPLPLLLLLLLLLLGPAGARAQEDEDGDYEELVLALRSEEDGLAEAP EHGTTATFHRC AKD PWRLPGTYVVVLKEETHLSQSERTARRLQAQAARRGYLTKIL |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

HVFGHLLPGFLVKMSGDLLELALKLPHV DYIEEDSSVFAQSIPWNLERITPPRYRAD
 EYQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTFDFENVPE EDGTRFHRQASKCDS
 HGTHLAGVVSGRDAGVAKGASMRSLRVLNCQGKGTVSGTLIGLEFIRKSQLVQPV
 GPLVVLLPLAGGYSRVLNAACQRLARAGVVLVTAAGNFRDDACLYSPASAPEVITVG
 ATNAQDQPVTLTGT LGTNFGRCVDLFAPGEDIIGASSDCSTCFVSQSGTSQAAAHVA
 GIAAMMLSAEPELTLAELRQRLIHFS KDVINEAWFPEDQRVLTPLVAALPPSTHG
 AGWQLFCRTVWSAHS GPTRMATAVARCAPDEELLSCSSFS RSGKRRGERMEAQG
 GKLVCRAHNAFGGEGVYAIARCCLLPQANCSVHTAPPAEASMGRVHCHQQGHVL
 T GCSSHWEVEDLGTHKPPVLRPRGQPNQCVGHREASIHASCCHAPGLECKVKEH
 GIPAPQEQVTVACEEGW
 TLTGCSALPGTSHVLGAYAVDNTCVVRSRDVSTTGSTSEGAVTAVAICCRSRHLAQ
 ASQELQSGPTRRTRLEQKLISEEDLAANDILDYKDDDDKV

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| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining. |
| Stability | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Storage | Store at -80 centigrade. |
| Concentration | >50 ug/mL as determined by microplate BCA method. |
| Preparation | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Protein Families | Secreted Protein |
| Full Length | Full L. |

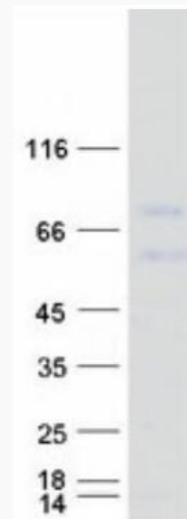
GENE INFORMATION

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| | |
|------------------------|--|
| Gene Name | PCSK9 proprotein convertase subtilisin/kexin type 9 [Homo sapiens (human)] |
| Official Symbol | PCSK9 |
| Synonyms | FH3; PC9; FHCL3; NARC1; LDLCQ1; NARC-1; HCHOLA3 |
| Gene ID | 255738 |
| mRNA Refseq | NM_174936.4 |
| Protein Refseq | NP_777596.2 |
| MIM | 607786 |
| UniProt ID | Q8NBP7 |



Coomassie blue staining of purified PCSK9 protein.

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