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

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

SPECIFICATION

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	MGTVSSRRSWWPLPLLLLLLLLLGPAGARAQEDEDGDYEELVLALRSEEDGLAEAP EHGTTATFHRCAKD PWRLPGTYVVVLKEETHLSQSERTARRLQAQAARRGYLTKIL

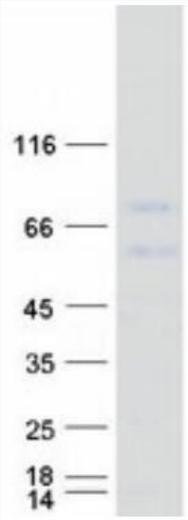
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	HVFHGLLPGFLVKMSGDLLELALKLPHV DYIEEDSSVFAQSIPWNLERITPPRYRAD EYQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTDFENVPE EDGTRFHRQASKCDS HGTHLAGVVSGRDAGVAKGASMRSLRVLNCQGKGTVSGTLIGLEFIRKSQLVQPV GPLVVLLPLAGGYSRVLNAACQRLARAGVVLVTAAGNFRDDACLYSPASAPEVITVG ATNAQDQPVTLGT LGTNFGRCVDLFAPGEDIIGASSDCSTCFVSQSGTSQAAAHVA GIAAMMLSAEPELTLAELRQRLIHFSA KDVINEAWFPEDQRVLTPNLVAALPPSTHG AGWQLFCRTVWSAHSGPTRMATAVARCAPDEELLSCSSFS RSGKRRGERMEAQG GKLVCRAHNAFGGEGVYAIARCCLLPQANCSVHTAPPAEASMGTRVHCHQQGHVL T GCSSHWEVEDLGTHKPPVLRPRGQPNQCVGHREASIHASCCHAPGLECKVKEH GIPAPQEQVTVACEEGW TLTGCSALPGTSHVLGAYAVDNTCVVRSRDVSTTGSTSEGAVTAVAICCRSRHLAQ ASQELQSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV
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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