Recombinant Cynomolgus monkey PCSK9 Protein, His-tagged

Cat. No. PCSK9-405C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus monkey PCSK9 protein with His tag was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	692
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	Lyophilized
Molecular Mass	73.2 kDa
AA Sequence	MGTVSSRRSWWPLPLPLLLLLLLGPAGARAQEDEDGDYEELVLALRSEEDGLADAP

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	EHGATATFHRCAKDPWRLPGTYVVVLKEETHRSQSERTARRLQAQAARRGYLTKIL HVFHHLLPGFLVKMSGDLLELALKLPHVDYIEEDSSVFAQSIPWNLERITPARYRADE YQPPKGGSLVEVYLLDTSIQSDHREIEGRVMVTDFESVPEEDGTRFHRQASKCDSH GTHLAGVVSGRDAGVAKGAGLRSLRVLNCQGKGTVSGTLIGLEFIRKSQLVQPVGP LVVLLPLAGGYSRVFNAACQRLARAGVVLVTAAGNFRDDACLYSPASAPEVITVGAT NAQDQPVTLGTLGTNFGRCVDLFAPGEDIIGASSDCSTCFVSRSGTSQAAAHVAGIA AMMLSAEPELTLAELRQRLIHFSAKDVINEAWFPEDQRVLTPNLVAALPPSTHRAGW QLFCRTVWSAHSGPTRMATAVARCAQDEELLSCSSFSRSGKRRGERIEAQGGKRV CRAHNAFGGEGVYAIARCCLLPQVNCSVHTAPPAGASMGTRVHCHQQGHVLTGCS SHWEVEDLGTHKPPVLRPRGQPNQCVGHREASIHASCCHAPGLECKVKEHGIPAP QEQVIVACEDGWTLTGCSALPGTSHVLGAYAVDNTCVVRSRDVSTTGSTSEEAVAA VAICCRSRHLVQASQELQ
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

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	performance.

GENE INFORMATION

Gene Name	PCSK9 proprotein convertase subtilisin/kexin type 9 [Macaca mulatta (Rhesus monkey)]
Official Symbol	PCSK9
Synonyms	PCSK9; proprotein convertase subtilisin/kexin type 9; proprotein convertase 9; proprotein convertase PC9; subtilisin/kexin-like protease PC9; proprotein convertase subtilisin/kexin type 9 preproprotein; PC9;
Gene ID	717147
mRNA Refseq	NM_001112660
Protein Refseq	NP_001106130
UniProt ID	A8T666

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