

# Recombinant Chinese hamster PCSK9 Protein, His-tagged

Cat. No. PCSK9-406C Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Chinese hamster PCSK9 protein with His tag was expressed in HEK293.
<b>Species</b>	Chinese hamster
<b>Source</b>	HEK293
<b>ProteinLength</b>	691
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	73 kDa
<b>AA Sequence</b>	MGTSCSVRPLWLLTPLLLLLLLCHMGARAQDEDAEYEEMLALRSQEDGLAEEEEAP

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HVATAPFHRCESKEAWRLPGTYIVVLIDGAQRLQIEQTIHRLQTQAARRGYVIKVLDFY  
 DILPGFVVKMSSDLLDLALKLPHVKYIEEDSLVFGQSIPWNLDRIPAGRQAQYSSS  
 NGSQQVEVYLLDTSIQSDHREIEGRVTITDFNSVPEEDGTRFHRQASKCDSHGTHLA  
 GVVSGRDAGVAKGTILHSLRVLNCQKGKGTVSGTLIGLEFIWKSQLIQPSGPLVLLPL  
 AGRYSRILNTACQHSLASNGVVLVAAAGNFRDDACLSPASAPEVITVGATDVQDQP  
 VTLGTLGTNFGRCVDLDFAPGKDIIGASSDCSTCFMSQSGTSQAAAHVAGIVTMTLTL  
 EPELTLAELRQRLIHFSTKDVINMAWFPEDQRVLTPNLVATMPPKTHGTGLVAGGQL  
 LCRTVWSAHS GPTRTATATARCAPGEELLSCSSFSRSGRRRGDRIE AIGGQQVCKA  
 FNAFGGEGVYAVARCCLPRANCSTHTTPAARTSLGTHVHCHQKDHVLTGCSFHW  
 EVEGIGVQRWAVLRSRHQPGQCIGHREASAHASCCHAPGLDCKIKEHGISGPAEQV  
 TVACEAGWTLTGCVNLPGAFMTLGAYAVDNMCMVARSCATDTAGRTSEEAIVAAAIC  
 CRSRPSAKAS

**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 H<sub>2</sub>O 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

<b>Gene Name</b>	Pcsk9 proprotein convertase subtilisin/kexin type 9 [ Cricetulus griseus (Chinese hamster) ]
<b>Official Symbol</b>	PCSK9
<b>Synonyms</b>	Pcsk9; proprotein convertase subtilisin/kexin type 9; proprotein convertase subtilisin/kexin type 9
<b>Gene ID</b>	100769049
<b>mRNA Refseq</b>	XM_027437117
<b>Protein Refseq</b>	XP_027292918
<b>UniProt ID</b>	A0A8C2LE88

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