

# Recombinant Rhesus macaque PCSK9 Protein, His-tagged

Cat. No. PCSK9-414R Lot. No. (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Rhesus macaque PCSK9 protein with His tag was expressed in HEK293.  |
| <b>Species</b>          | Rhesus macaque  |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | 692   |
| <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>   | 73.2 kDa  |
| <b>AA Sequence</b>      | MGTVSSRRSWWPLPLPLLLLLLLLLGPAGARAQEDDGDYEELVLALRSEEDGLADAP   |

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EHGATATFHRCADPWRLPGTYVVVLKEETHRSQSERTARRLQAQAARRGYLTKIL  
 HVFHLLPGFLVKMSGDLLELALKLPHVDYIEEDSSVFAQSIPWNLERITPARYRADE  
 YQPPKGGSLVEVYLLDTSIQSDHREIEGRVMVTDVFESVPEEDGTRFHRQASKCDSH  
 GTHLAGVVSGRDAGVAKGAGLRSLRVLNQCQKGTVSGTLIGLEFIRKSQLVQPVGP  
 LVVLLPLAGGYSRVFNACQRLARAGVVLVTAAGNFRDDACLYSPASAPEVITVGAT  
 NAQDQPVTLGTLGTNFGRCVDLFPAGEDIIIGASSDCSTCFVSRSGTSQAAAHVAGIA  
 AMMLSAEPELTLAELRQRLIHFSKDVINEAWFPEDQRVLTPNLVAALPPSTHRAGW  
 QLFCRTVWSAHS GPTRMATAVARCAQDELLSCSSF SRSGKRRGERIEAQQGKRV  
 CRAHNAFGGEGVYAIARCCLLPQVNCSVHTAPPAGASMGTRVHCHQQGHVLTGCS  
 SHWEVEDLGTHKPPVLRPRGQPNQCVGHREASIHASCCHAPGLECKVKEHGIPAP  
 QEQVIVACEDGWTLTGCSPLPGTSHVLGAYAVDNTCVVRSRDVSTTGSTSKEAVAA  
 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 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 [ Macaca mulatta (Rhesus monkey) ]  |
| <b>Official Symbol</b> | PCSK9   |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 717147  |
| <b>mRNA Refseq</b>     | NM_001112660  |
| <b>Protein Refseq</b>  | NP_001106130  |
| <b>UniProt ID</b>      | A8T666  |

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