

Active Recombinant Human PCSK9 Protein, HIS-tagged

Cat. No. PCSK9-169H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human PCSK9 fused with His tag at C-terminal was expressed in CHO cells. |
| Species | Human |
| Source | CHO |
| Description | <p>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.</p> |
| Form | 25 mM sodium Acetate, 150 mM NaCl, pH5.0 |
| Bio-activity | Human PCSK9 binds human LDLR. The amount of human LDLR bound in assay conditions determined by ELISA. |
| Molecular Mass | 73 kDa |

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| Endotoxin | Less than 1 EU per g protein as determine by the LAL method |
| Purity | >90%, as determined by Coomassie stained SDS-PAGE. |
| Concentration | Protein formulated and viald at >50 ug/mL in specified buffer |

GENE INFORMATION

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|------------------------|---|
| Gene Name | PCSK9 proprotein convertase subtilisin/kexin type 9 [Homo sapiens] |
| Official Symbol | PCSK9 |
| Synonyms | PCSK9; proprotein convertase subtilisin/kexin type 9; HCHOLA3, hypercholesterolemia, autosomal dominant 3; FH3; NARC 1; NARC1; NARC-1; HCHOLA3; |
| Gene ID | 353175 |
| mRNA Refseq | NM_174936 |
| Protein Refseq | NP_777596 |
| MIM | 607786 |
| UniProt ID | Q8NBP7 |

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