

## Recombinant Human PCSK1 Protein, His-tagged

Cat. No. PCSK1-764H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PCSK1, transcript variant 3, fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<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 initial autocatalytic processing event in the ER to generate a heterodimer which exits the ER and sorts to subcellular compartments where a second autocatalytic even takes place and the catalytic activity is acquired. The protease is packaged into and activated in dense core secretory granules and expressed in the neuroendocrine system and brain. This gene encodes one of the seven basic amino acid-specific members which cleave their substrates at single or paired basic residues. It functions in the proteolytic activation of polypeptide hormones and neuropeptides precursors. Mutations in this gene have been associated with susceptibility to obesity and proprotein convertase 1/3 deficiency. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.</p>
<b>Form</b>	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.

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<b>Molecular Mass</b>	49.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

<b>Gene Name</b>	PCSK1 proprotein convertase subtilisin/kexin type 1 [ Homo sapiens ]
<b>Official Symbol</b>	PCSK1
<b>Synonyms</b>	PCSK1; proprotein convertase subtilisin/kexin type 1; NEC1; neuroendocrine convertase 1; PC1; PC3; prohormone convertase 1; prohormone convertase 3; proprotein convertase 1; SPC3; NEC 1; BMIQ12;
<b>Gene ID</b>	5122
<b>mRNA Refseq</b>	NM_000439
<b>Protein Refseq</b>	NP_000430
<b>MIM</b>	162150
<b>UniProt ID</b>	P29120

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