

Recombinant Human CSK9 Protein (31-692), C-His-Avi-Tagged, Biotin-Labeled

Cat. No. PCSK9-13H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant human PCSK9 (proprotein convertase subtilisin/kexin type 9), encompassing amino acids 31-692(end). This construct contains the proprotein PCSK9 at the N-terminal encompassing amino acids 31-152. At the C-terminal this construct contains a His-tag (6×His) followed by an Avi-tag. The recombinant protein was enzymatically biotinylated using the Avi-Tag[™] and affinity purified. PCSK9 is autocleaved to the ~14 kDa prodomain (a.a. 31-152) and the ~60 kDa mature form (a.a. 153-692(end)), which run at higher apparent MW by SDS-PAGE.

Species

Human

Source

HEK293

ProteinLength

31-692 (end)

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

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	transcript variants.
Form	Aqueous buffer solution
Molecular Mass	74 kDa
Purity	≥ 90%
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling
Usage	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Storage	At least 6 months at –80 centigrade.
Storage Buffer	8 mM Phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.
Shipping	At -80 centigrade
Warning	Avoid freeze/thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	PCSK9 proprotein convertase subtilisin/kexin type 9 [Homo sapiens (human)]
Official Symbol	PCSK9
Synonyms	PCSK9; proprotein convertase subtilisin/kexin type 9; FH3; PC9; FHCL3; NARC1;

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LDLCQ1; NARC-1; HCHOLA3; proprotein convertase subtilisin/kexin type 9; convertase subtilisin/kexin type 9 preproprotein; neural apoptosis regulated convertase 1; subtilisin/kexin-like protease PC9; EC 3.4.21.-

Gene ID [255738](#)

mRNA Refseq [NM_174936](#)

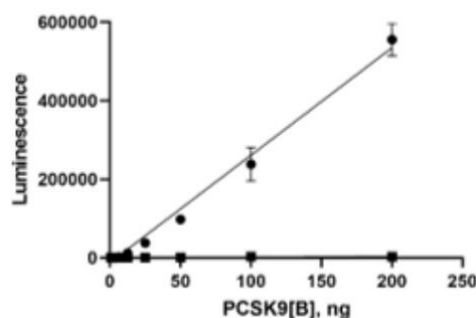
Protein Refseq [NP_777596](#)

MIM [607786](#)

UniProt ID [Q8NBP7](#)

**PCSK9[Biotinylated]:
LDLR Activity**

PCSK9[Biotinylated]:LDLR Activity



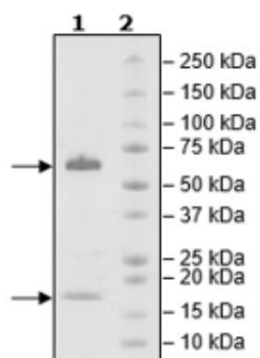
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**4-20% SDS-Page
Coomassie Staining**

4-20% SDS-Page Coomassie Staining



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