

## Active Recombinant Human PCSK9 Protein, His-tagged

Cat. No. PCSK9-040H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active recombinant N-terminal His-tagged full length human PCSK9 protein (1-692) was expressed in HEK293 cells. Conjugated to DyLight™ 633.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-692
<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>Bio-activity</b>	PCSK9 downregulates LDL uptake.
<b>Molecular Mass</b>	13.8 kDa prodomain + 59 kDa mature form

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	≥90% as determined by SDS-PAGE
<b>Applications</b>	Cell-based assays
<b>Stability</b>	≥ 6 months
<b>Storage</b>	At -80 centigrade.
<b>Storage Buffer</b>	PBS, pH 7.4, with 30% sucrose

## GENE INFORMATION

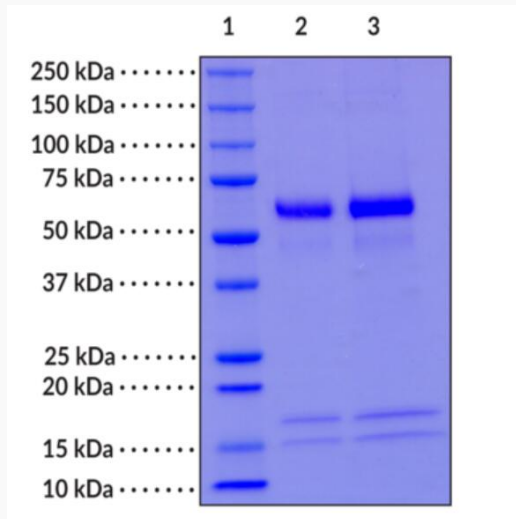
<b>Gene Name</b>	PCSK9 proprotein convertase subtilisin/kexin type 9 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PCSK9
<b>Synonyms</b>	PCSK9; proprotein convertase subtilisin/kexin type 9; FH3; PC9; FHCL3; NARC1; LDLCQ1; NARC-1; HCHOLA3; proprotein convertase subtilisin/kexin type 9; convertase subtilisin/kexin type 9 preproprotein; neural apoptosis regulated convertase 1; subtilisin/kexin-like protease PC9
<b>Gene ID</b>	255738
<b>mRNA Refseq</b>	NM_174936
<b>Protein Refseq</b>	NP_777596
<b>MIM</b>	607786
<b>UniProt ID</b>	Q8NBP7

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**PCSK9-DyLight™  
633 SDS-PAGE  
analysis**



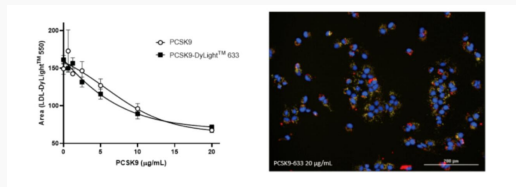
Lane 1: MW Markers

Lane 2: PCSK9-DyLight™ 633 (2 µg)

Lane 3: PCSK9-DyLight™ 633 (4 µg)

The observed MW of these bands is slightly higher due to post-translational modifications.

**PCSK9 is taken up  
by hepatocytes,  
downregulating LDL  
uptake.**



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