Active Recombinant Human PCSK9 Protein, His-tagged

Cat. No. PCSK9-041H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active recombinant N-terminal His-tagged full length human PCSK9 protein (1-692) was expressed in HEK293 cells. Conjugated to DyLight™ 488.
Species	Human
Source	HEK293
ProteinLength	1-692
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 transcript variants.
Form	Lyophilized
Bio-activity	PCSK9 downregulates LDL uptake.
Molecular Mass	13.8 kDa prodomain + 59 kDa mature form

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

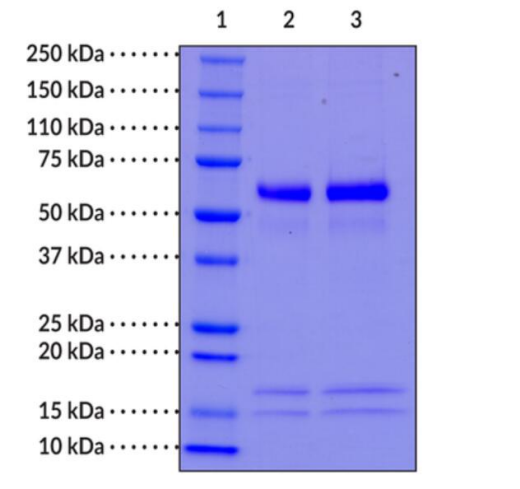
Purity	≥90% as determined by SDS-PAGE
Stability	≥ 9 months
Storage	At -80 centigrade.
Storage Buffer	PBS, pH 7.4, with 30% sucrose

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; 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
Gene ID	255738
mRNA Refseq	NM_174936
Protein Refseq	NP_777596
MIM	607786
UniProt ID	Q8NBP7

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

PCSK9-DyLight™ 488 SDS-PAGE analysis



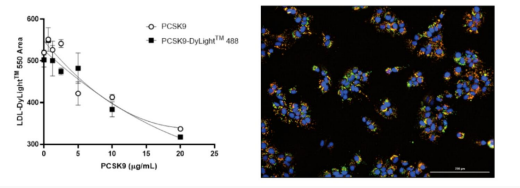
Lane 1: MW Markers

Lane 2: PCSK9-DyLight™ 488 (2 μg)

Lane 3: PCSK9-DyLight™ 488 (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.



Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA