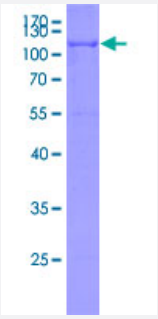
Full-Length

PCSK9 (Human) Recombinant Protein (P01)

Catalog # H00255738-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PCSK9 full-length ORF (no protein_acc, 1 a.a. - 678 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	MGTVSSRRSWWPLPLLLLLLLLLLGPAGARAQEDEDGLVEAPEPGTTATFHRCAKDPWRLPGTY VVVLKEETHLSQSERTARRLQAQAARRGYLTKILHVFHGLLPGFLVKMSGDLLELALKLPHVDYIE EDSSVFAQSIPWNLERITPPRYRADEYQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTDFENVPE EDGTRFHRQASKCDSHGTHLAGVVSGRDAGVAKGASMRSLRVLNCQGKGTVSGTLIGLEFIRKS QLVQPVGPLVVLLPLAGGYSRVLNAACQRLARAGVVLVTAAGNFRDDACLYSPAPAPEVITVGAT NAQDQPVTLGTLGTNFGRCVDLFAPGEDIIGASSDCSTCFVSQSGTSQAAAHVAGIAAMMLSAEP ELTLAELRQRLIHFSAKDVINEAWFPEDQRVLTPNLVAALPPSTHGAGWQLFCRTVWSAHSGPTR MATAIARCAPDEELLSCSSFSRSGKRRGERMEAQGGKLVCRAHNAFGGEGVYAIARCCLLPQAN CSVHTAPPAEASMGTRVHCHQQGHVLTGCSSHWEVEDLGTHKPPVLRPRGQPNQCVGHREASI HASCCHAPGLECKVKEHGIPAPQEQVTVACEEGWTLTGCSALPGTSHVLGAYAVDNTCVVRSR DVSTTGSTSEEAVTAVAICCRSRHLAQASQELQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	99.2
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue

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Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PCSK9

Entrez GeneID	255738
GeneBank Accession#	AK122717.1
Protein Accession#	no protein_acc
Gene Name	PCSK9
Gene Alias	FH3, HCHOLA3, LDLCQ1, NARC-1, NARC1
Gene Description	proprotein convertase subtilisin/kexin type 9
Omim ID	603776 607786
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a proprotein convertase belonging to the proteinase K subfamily of the secretory subtilase family. The encoded protein is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the endoplasmic reticulum. The protein may function as a proprotein convertase. This protein plays a role in cholesterol homeostasis and may have a role in the differentiation of cortical neurons. Mutations in this gene have been associated with a third form of autosomal dominant familial hypercholesterolemia (HCHOLA3). [provided by RefSeq
Other Designations	OTTHUMP00000009833|convertase subtilisin/kexin type 9 preproprotein|neural apoptosis regulated convertase 1

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Disease

- Alzheimer Disease
- Atherosclerosis
- Calcinosis
- Cardiovascular Diseases
- Chromosome Aberrations
- Chronic Disease
- Coronary Artery Disease
- Coronary Disease
- Dementia
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Hyperlipoproteinemia Type II
- Hypertension
- Hypobetalipoproteinemias
- Hypolipoproteinemias
- Kidney Diseases
- Kidney Failure
- Myocardial Infarction
- Myocardial Ischemia
- Narcolepsy
- Neoplasms
- Obesity

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- Ovarian Failure
- Peripheral Vascular Diseases
- Polycystic Ovary Syndrome
- Puberty
- Stroke
- Thrombophilia
- Tobacco Use Disorder
- Werner syndrome

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