

Full-Length

PCSK7 (Human) Recombinant Protein (P02)

Catalog # H00009159-P02 S

Size 25 ug, 10 ug

Applications



Specification	
Product Description	Human PCSK7 full-length ORF (AAH10696.1, 1 a.a 785 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPKGRQKVPHLDAPLGLPTCLWLELAGLFLLVPWVMGLAGTGGPDGQGTGGPSWAVHLESLE GDGEEETLEQQADALAQAAGLVNAGRIGELQGHYLFVQPAGHRPALEVEAIRQQVEAVLAGHEA VRWHSEQRLLRRAKRSVHFNDPKYPQQWHLNNRRSPGRDINVTGVWERNVTGRGVTVVVVDD GVEHTIQDIAPNYSPEGSYDLNSNDPDPMPHPDVENGNHHGTRCAGEIAAVPNNSFCAVGVAYG SRIAGIRVLDGPLTDSMEAVAFNKHYQINDIYSCSWGPDDDGKTVDGPHQLGKAALQHGVIAGRQ GFGSIFVVASGNGGQHNDNCNYDGYANSIYTVTIGAVDEEGRMPFYAEECASMLAVTFSGGDKML RSIVTTDWDLQKGTGCTEGHTGTSAAAPLAAGMIALMLQVRPCLTWRDVQHIIVFTATRYEDRRAE WVTNEAGFSHSHQHGFGLLNAWRLVNAAKIWTSVPYLASYVSPVLKENKAIPQSPRSLEVLWNV SRMDLEMSGLKTLEHVAVTVSITHPRRGSLELKLFCPSGMMSLIGAPRSMDSDPNGFNDWTFST VRCWGERARGTYRLVIRDVGDESFQVGILRQWQLTLYGSVWSAVDIRDRQRLLESAMSGKYLHD DFALPCPPGLKIPEEDGYTITPNTLKTLVLVGCFTVFWTVYYMLEVYLSQRNVASNQVCRSGPCH WPHRSRKAKEEGTELESVPLCSSKDPDEVETESRGPPTTSDLLAPDLLEQGDWSLSQNKSALD CPHQHLDVPHGKEEQIC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	111.87
Interspecies Antigen Sequence	Mouse (85); Rat (87)

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Product Information

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.
Storage Buffer	50 mM Tris-HCI, 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 — PCSK7 **Entrez GenelD** <u>9159</u> GeneBank Accession# BC010696 **Protein Accession#** AAH10696.1 Gene Name PCSK7 **Gene Alias** LPC, PC7, PC8, SPC7 **Gene Description** proprotein convertase subtilisin/kexin type 7 **Omim ID** <u>604872</u> **Gene Ontology** Hyperlink



Product Information

Gene Summary The protein encoded by this gene belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This encoded protein is a calcium-dependent serine endoprotease. It is structurally related to its family members, PACE and PACE4. This protein is concentrated in th e trans-Golgi network, associated with the membranes, and is not secreted. It can process proalb umin and is thought to be responsible for the activation of HIV envelope glycoproteins gp160 and gp140. This gene has been implicated in the transcriptional regulation of housekeeping genes. M ultiple alternatively spliced transcripts are described for this gene but their full length nature is not y et known. Downstream of this gene's map location at 11q23-q24, nucleotides that match part of th is gene's 3' end are duplicated and inverted. A translocation breakpoint associated with lymphom a occurs between this gene and its inverted counterpart. [provided by RefSeq **Other Designations** lymphoma proprotein convertase|prohormone convertase 8, subtilisin-like|prohormone convertase PC7|proprotein convertase PC7|proprotein convertase subtilisin/kexin type 7 precursor variant 1|s ubtilisin/kexin-like protease PC7