

Recombinant Human PCSK5, GST-tagged

Cat. No. PCSK5-121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCSK5 was produced in vitro wheat germ expression system with GST-tag at N-terminal, 128 kDa (913aa).
Species	Human
Source	Wheat Germ
Description	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 mediates posttranslational endoproteolytic processing for several integrin alpha subunits. It is thought to process prorenin, pro-membrane type-1 matrix metalloproteinase and HIV-1 glycoprotein gp160. Multiple transcript variants encoding different isoforms have been found for this gene.
amino acid sequence	MGWGSRCCCPGRLDLLCVLALLGGCLLPVCRTRVYTNHWAVKIAGGFPEANRIASK YGFINIGQIGALKDYHFFYHSRTIKRSVISSRGTHSFISMEPKVEWIQQQVVKRTRKR DYDFSRAQSTYFNDPKWPSMWYMHCSDNTHPCQSDMNIEGAWKRGYTGKNIVVTI LDDGIERTHPDLMQNYDALASCDVNGNDLDPMPRYDASNENKHGTRCAGEVAAAA NNSHCTVGIAFNAKIGGVRMLDGDVTDMEAKSVSFNPQHVIHSASWGPDDDDGK TVDGPAPLTRQAFENGVRMGRRLGSLVFWASGNGGRSKDHCSCDGYTNSIYTISI SSTAESGKKPWYLEECSSTLATTYSSGESYDKKIITDLRQRCTDNHTGTSASAPM AAGIALALEANPFLTWRDVQHVVIRTSRAGHLNANDWKTNAAGFKVSHLYGFGLM DAEAMVMEAEKWTTVPRQHVCVESTDRQIKTIRPNSAVRSIYKASGCSDNPNRHVN

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YLEHVVRITITHPRRGDLAIYLTSPS GTRSQLLANRLFDHSMEGFKNWEFMTIHCW
 GERAAGDWVLEVYDTPSQRNFKTPGKLKEWSLVLYGTSVQPYSPTNEFPKVERF
 RY SRVEDPTDDYGTEDYAGPCDPECSEVGCDGPGPDHCNDCLHYYYKLKNNTRIC
 VSSCPPGHYHADKKRRCRKCAPNCESCFGSHGD QCMSCKYGYFLNEETNSCVTHC
 PDGSYQDTKKNLCRKCSENCKTCTEFHNCTECRDGLSLQGSRCSVSCEDGRYFNG
 QDCQPCHR FCATCAGAGADGCINCTEGYFMEDGRCVQSCSISYYFDHSSSENGYK
 SCKKCDISCLTCNGPGFKNCTSCPSGYLLDLGMCQMGAICKD ATEESWAEGGFCM
 LVKKNLQCQRKVLQQLCCKTCTFQG

Purification GlutathioneSepharose 4 Fast Flow

Applications ELISA;WB; Antibody Production; Protein Array

Note Bestuse within three months from the date of receipt of this protein.

StorageBuffer 50 mMTris-HCl, 10 mM reduced Glutathione, pH8.0 in the elution buffer.

Storage Storeat -80°C. Aliquot to avoid repeated freezing and thawing.

OfficialSymbol PCSK5

GENE INFORMATION

Gene Name PCSK5 proproteinconvertase subtilisin/kexin type 5 [Homo sapiens]

Synonyms PCSK5; proproteinconvertase subtilisin/kexin type 5; PC5; PC6; PC6A; SPC6;
 FLJ11149; FLJ16215;hPC6; protease PC6; prohormone convertase 5; proprotein
 convertase 6; subtilisin/kexin-likeprotease PC5; OTTHUMP00000021497;
 OTTHUMP00000021498; OTTHUMP00000021499; EC3.4.21.; Proprotein
 convertase 5; EC 3.4.21; EC 3.4.21.61; EC 3.4.21.75

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Gene ID	5125
mRNA Refseq	NM_006200
Protein Refseq	NP_006191
MIM	600488
UniProt ID	Q92824
Chromosome Location	9
Pathway	NGFprocessing; Signal Transduction; Signalling by NGF
Function	peptidaseactivity; peptide binding; serine-type endopeptidase activity

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