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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

PCSK5 (Human) Recombinant Protein (P01)

Catalog Number: H00005125-P01

Regulation Status: For research use only (RUO)

Product Description: Human PCSK5 full-length ORF (NP_006191.2, 1 a.a. - 913 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGWGSRCCCPGRDLLLCLLGGCLLPVCRTRVYT
NHWAVKIAGGFPEANRIASKYGFINIGQIGALKDYYHFY
HSRTIKRSVISSRGTHSFISMEPKVEWIQQQVVKKRTK
RDYDFSRAQSTYFNDPKWPSMWYMHCSDNTHPCQS
DMNIEGAWKRGYTGKNIVVTILDGIERTHPDLMQNYD
ALASCDVNGNDLDPMPRYDASNENKHGTRCAGEVAA
AANNSHCTVGIAFNAKIGGVRMLDGDVTDMEAKSVS
FNPQHVHIYSASWGPDDDGKTVDPAPLTRQAFENG
VRMGRRGLGSVFVWASGNGGRSKDHCSGDGYTNSI
YTISISSTAESGKPPWYLEECSSTLATTYSSGESYDKKI
ITDLRQRCTDNHTGTSASAPMAAGIALLALEANPFLT
WRDVQHIVVRTSRAGHLNANDWKTNAAGFKVSHLYG
FGLMDAEAMVMEAEKWTTVPRQHVCVESTDRQIKTIR
PNSAVRSIYKASGCSNPNRHVNYLEHVVVITITHPR
RGDLAIYLTSPSGTRSQLLANRLFDSHMEGFKNWEFM
TIHCWGERAAGDWVLEVYDTPSQLRNFKTPGKLEW
SLVLYGTSVQPYSPTNEFPKVERFRYSRVEDPTDDYG
TEDYAGPCDPECSEVGCDGPGPDHCNDCLHYYYKLEK
NNTRICVSSCPPGHYHADKKRCKCAPNCESCFGSH
GDQCMSCYGYFLNEETNSCVTHCPDGSYQDTKKNL
CRKCSENCKTCTEFHNCTEGRDGLSLQGSRCVSVSCE
DGRYFNGQDCQPCHRFATCAGAGADGCINCTEGYF
MEDGRCVQSCSISYYFDHSENGYKSKCKDISCLTC
NGPGFKNCTSCPSGYLLDLGMCQMGAICKDATEESW
AEGFCMLVKKNNLCQRKVLQQLCCKTCTFQG

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 128

Interspecies Antigen Sequence: Mouse (95); Rat (95)

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GenID: 5125

Gene Symbol: PCSK5

Gene Alias: PC5, PC6, PC6A, SPC6

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 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. Two alternatively spliced transcripts are described for this gene but only one has its full length nature known. [provided by RefSeq]

References:

1. Development of a high-throughput assay for human proprotein convertase 5/6 for detecting uterine receptivity. Heng S, Dynon K, Li Y, Edgell T, Walton K, Rombauts LJ, Vollenhoven B, Nie G. *Anal Biochem.* 2015 Apr 15;475:14-21.