

PCSK5 Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP19980a

Specification

PCSK5 Blocking Peptide (N-term) - Product Information

Primary Accession

[O92824](#)

Other Accession

[NP_006191.2](#)**PCSK5 Blocking Peptide (N-term) - Additional Information**

Gene ID 5125

Other Names

Proprotein convertase subtilisin/kexin type 5, 3421-, Proprotein convertase 5, PC5, Proprotein convertase 6, PC6, hPC6, Subtilisin/kexin-like protease PC5, PCSK5, PC5, PC6

Target/Specificity

The synthetic peptide sequence is selected from aa 110-124 of HUMAN PCSK5

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PCSK5 Blocking Peptide (N-term) - Protein Information

Name PCSK5

Synonyms PC5, PC6

Function

Serine endoprotease that processes various proproteins by cleavage at paired basic amino acids, recognizing the RXXX[KR]R consensus motif. Likely functions in the constitutive and regulated secretory pathways. Plays an essential role in pregnancy establishment by proteolytic activation of a number of important factors such as BMP2, CALD1 and alpha-integrins.

Cellular Location

[Isoform PC6A]: Secreted. Note=Secreted through the regulated secretory pathway.

Tissue Location

Expressed in T-lymphocytes.

PCSK5 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PCSK5 Blocking Peptide (N-term) - Images

PCSK5 Blocking Peptide (N-term) - Background

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.

PCSK5 Blocking Peptide (N-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Heng, S., et al. Endocrinology 151(8):3909-3917(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Iatán, I., et al. Circ Cardiovasc Genet 2(5):467-475(2009)