

Recombinant Human PCSK5

Catalog No: #GP13194



Package Size: #GP13194-1 100ug

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human PCSK5
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 115-314 amino acids of human PCSK5
Target Name	proprotein convertase subtilisin/kexin type 5
Other Names	PC5; PC6; PC6A; SPC6
Accession No.	Swissprot:Q92824Gene Accession:BC012064
Uniprot	Q92824
GeneID	5125;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an initial autocatalytic processing event in the ER to generate a heterodimer which exits the ER. It then sorts to the trans-Golgi network where a second autocatalytic event takes place and the catalytic activity is acquired. This encoded protein is widely expressed and one of the seven basic amino acid-specific members which cleave their substrates at single or paired basic residues. It mediates posttranslational endoproteolytic processing for several integrin alpha subunits and is thought to process prorenin, pro-membrane type-1 matrix metalloproteinase and HIV-1 glycoprotein gp160. Alternative splicing results in multiple transcript variants, some of which encode distinct isoforms, including a protease packaged into dense core granules (PC5A) and a type 1 membrane bound protease (PC5B).?

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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