

PCSK5 抗原（重组蛋白）

中文名称：PCSK5 抗原（重组蛋白）

英文名称：PCSK5 Antigen (Recombinant Protein)

别名：proprotein convertase subtilisin/kexin type 5; PC5; PC6; PC6A; SPC6

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 115-314 amino acids of human PCSK5

技术规格：

Full name:	proprotein convertase subtilisin/kexin type 5
Synonyms:	PC5; PC6; PC6A; SPC6
Swissprot:	Q92824
Gene Accession:	BC012064
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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 post

translational 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).