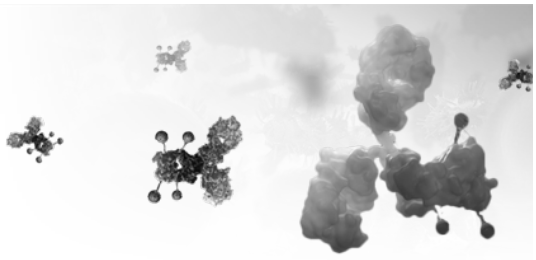

Human PCSK5 blocking peptide (CDBP2223)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PCSK5 antibody
Antigen Description	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). [provided by RefSeq, May 2014]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	PCSK5 proprotein convertase subtilisin/kexin type 5 [Homo sapiens]
Official Symbol	PCSK5
Synonyms	PCSK5; proprotein convertase subtilisin/kexin type 5; PC5; PC6; SPC6; hPC6; protease PC6; prohormone convertase 5; proprotein convertase 6; subtilisin/kexin-like protease PC5; PC6A; FLJ11149; FLJ16215;
Entrez Gene ID	5125
mRNA Refseq	NM_001190482
Protein Refseq	NP_001177411
UniProt ID	Q92824
Chromosome Location	9
Pathway	NGF processing, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signalling by NGF, organism-specific biosystem;
Function	peptidase activity; peptide binding; serine-type endopeptidase activity; serine-type endopeptidase activity; serine-type endopeptidase activity;

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