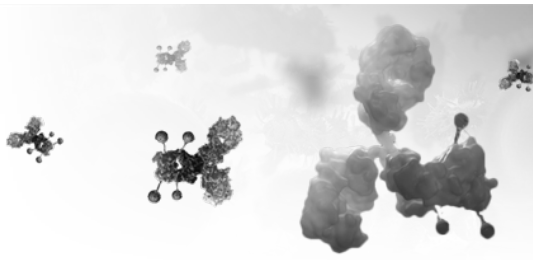

PCSK2 blocking peptide (DAG-P1084)

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

PRODUCT INFORMATION

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 protein undergoes an initial autocatalytic processing event and interacts with a neuroendocrine secretory protein in the ER, exits the ER and sorts to secretory granules, where it is cleaved and catalytically activated during intracellular transport. The encoded protease is packaged into and activated in dense core secretory granules and expressed in the neuroendocrine system and brain. This gene encodes one of the seven basic amino acid-specific members which cleave their substrates at single or paired basic residues. It functions in the proteolytic activation of polypeptide hormones and neuropeptides precursors. Single nucleotide polymorphisms in this gene may increase susceptibility to myocardial infarction and type 2 diabetes. This gene may also play a role in tumor development and progression. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2014]
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the peptidase S8 family. Furin subfamily.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	PCSK2 proprotein convertase subtilisin/kexin type 2 [Homo sapiens (human)]

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Official Symbol	PCSK2
Synonyms	PCSK2; proprotein convertase subtilisin/kexin type 2; PC2; NEC2; SPC2; NEC 2; NEC-2; neuroendocrine convertase 2; prohormone convertase 2; KEX2-like endoprotease 2;
Entrez Gene ID	5126
mRNA Refseq	NM_001201528.1
Protein Refseq	NP_001188457.1
UniProt ID	P16519
Chromosome Location	20p11.2
Pathway	Insulin Processing, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Peptide hormone metabolism, organism-specific biosystem;
Function	protein binding; protein complex binding; serine-type endopeptidase activity;

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