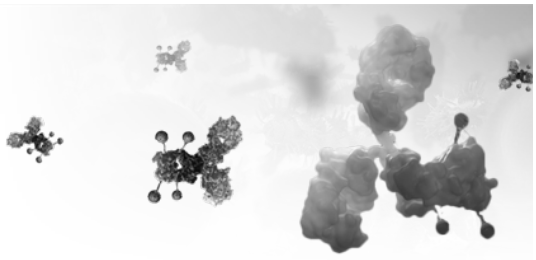

PCSK9 peptide (DAG-P0031)

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 encoded protein undergoes an autocatalytic processing event with its prosegment in the ER and is constitutively secreted as an inactive protease into the extracellular matrix and trans-Golgi network. It is expressed in liver, intestine and kidney tissues and escorts specific receptors for lysosomal degradation. It plays a role in cholesterol and fatty acid metabolism. Mutations in this gene have been associated with autosomal dominant familial hypercholesterolemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Specificity	Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	Belongs to the peptidase S8 family.Contains 1 peptidase S8 domain.
Format	Liquid
Buffer	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

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GENE INFORMATION

Gene Name	PCSK9 proprotein convertase subtilisin/kexin type 9 [Homo sapiens (human)]
Official Symbol	PCSK9
Synonyms	PCSK9; proprotein convertase subtilisin/kexin type 9; FH3; PC9; NARC1; LDLCQ1; NARC-1; HCHOLA3; subtilisin/kexin-like protease PC9; neural apoptosis regulated convertase 1; convertase subtilisin/kexin type 9 preproprotein;
Entrez Gene ID	255738
mRNA Refseq	NM_174936.3
Protein Refseq	NP_777596.2
UniProt ID	Q8NBP7
Chromosome Location	1p32.3
Function	apolipoprotein binding; apolipoprotein receptor binding; identical protein binding; low-density lipoprotein particle binding; low-density lipoprotein particle receptor binding; low-density lipoprotein particle receptor binding; poly(A) RNA binding; protei

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