

Recombinant Human PCSK6

Cat. No. PCSK6-30177TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 860-969 of Human PACE4 with an N terminal proprietary tag; Predicted MWt 37.73 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	The protein encoded by this gene belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This encoded protein is a calcium-dependent serine endoprotease that can cleave precursor protein at their paired basic amino acid processing sites. Some of its substrates are - transforming growth factor beta related proteins, proalbumin, and von Willebrand factor. This gene is thought to play a role in tumor progression. Alternatively spliced transcript variants encoding different isoforms have been identified.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Each PACE4 isoform exhibits a unique restricted distribution. Isoform PACE4A-I is expressed in heart, brain, placenta, lung, skeletal muscle, kidney, pancreas, but at comparatively higher levels in the liver. Isoform PACE4A-II is at least expressed in pla
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	REECIHCAKNFHFHDWKCVACGEGFYPEEMPGLPHKVC RCDENCLSCAGSSR NCSRCKTGFTQLGTSCITNHTCSNAD ETFCEMVKSNRLCERKLFIQFC CRTCLLAG
Sequence Similarities	Belongs to the peptidase S8 family.Contains 1 homo B/P domain.Contains 1 PLAC domain.

GENE INFORMATION

Gene Name	PCSK6 proprotein convertase subtilisin/kexin type 6 [Homo sapiens]
Official Symbol	PCSK6
Synonyms	PCSK6; proprotein convertase subtilisin/kexin type 6; PACE4, paired basic amino acid cleaving system 4; SPC4; subtilisin like proprotein convertase 4; subtilisin like protease; subtilisin/kexin like protease PACE4;
Gene ID	5046
mRNA Refseq	NM_002570
Protein Refseq	NP_002561
MIM	167405

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Uniprot ID	P29122
Chromosome Location	15q26
Pathway	Developmental Biology, organism-specific biosystem; NGF processing, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by NODAL, organism-specific biosystem; Signalling by NGF, organism-specific biosystem;
Function	endopeptidase activity; eukaryotic cell surface binding; heparin binding; nerve growth factor binding; peptidase activity;

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