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Product datasheet for TP721051L

PCSK9 (NM_174936) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human proprotein convertase subtilisin/kexin type 9 (PCSK9), D374Y mutant.
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Gln31-Gln692
Tag:	C-His
Predicted MW:	84.78 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_777596
Locus ID:	255738
UniProt ID:	Q8NBP7
RefSeq Size:	3636
Cytogenetics:	1p32.3
RefSeq ORF:	2076
Synonyms:	FH3; FHCL3; HCHOLA3; LDLCQ1; NARC-1; NARC1; PC9

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Summary: 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]

Protein Families: Secreted Protein