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Product datasheet for TP320000

PCSK9 (NM_174936) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human proprotein convertase subtilisin/kexin type 9 (PCSK9), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	Recombinant protein was produced with TrueORF clone, RC220000.
Tag:	C-Myc/DDK
Predicted MW:	71 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
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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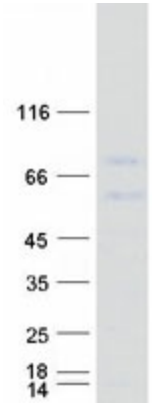
Summary: This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an autocatalytic processing event 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

Product images:



Coomassie blue staining of purified PCSK9 protein (Cat# TP320000). The protein was produced from HEK293T cells transfected with PCSK9 cDNA clone (Cat# [RC220000]) using MegaTran 2.0 (Cat# [TT210002]).