

Product datasheet for PH320000

PCSK9 (NM_174936) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PCSK9 MS Standard C13 and N15-labeled recombinant protein (NP_777596)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220000
Predicted MW:	71 kDa
Protein Sequence:	>RC220000 representing NM_174936 Red=Cloning site Green=Tags(s)

MGTVSSRRSWWPLPLLLLLLLLLLGPAGARAQEDEDGDYEELVLALRSEEDGLAEAPEHGTTATFHRC AKD
PWRLPGTYVVVLKEETHLSQSERTARRLQAQAARRGYLTKILHVFHGLLPGLVVKMSGDLLELALKLPHV
DYIEEDSSVFAQSIPWNLERITPPRYRADEYQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTFENVPE
EDGTRFHRQASKCDSHGTHLAGVVSGRDAGVAKGASMSRLRVLNCQGKGTVSGTLIGLEFIRKSQVLQPV
GPLVLLPLAGGYSRVLNAACQRLARAGVVLVTAAGNFRDDACL YSPASAPEVITVGATNAQDQPVTLGT
LGTNFGRCVDLFAPGEDIIGASSDCSTCFVSQSGTSQAAAHVAGIAAMMLSAEPELTLAELRQLIHFA
KDVINEAWFPEDQRVLT PNLVAALPPSTHGAGWQLFCRTVWSAHS GPTRMATAVARCAPDEELLSCSSFS
RSGKRRGERMEAQGGKLVCAHNAF GGEGVYAIARCCLLPQANCSVHTAPPAEASMGTRVHCHQQGHVLT
GCSSHWEVEDLGT HKPPVLRPRGPNQCVGHREASIHASCCHAPGLECKVKEHGIPAPQE QVTVACEEGW
TLTGCSALPGTSHVLGAYVDNTCVVRSRDVSTTGSTSEGAVTAVAICCR SRHLAQASQELQ

SGP TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_777596</u>
RefSeq Size:	3636



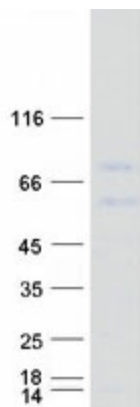
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RefSeq ORF:	2076
Synonyms:	FH3; FHCL3; HCHOLA3; LDLCQ1; NARC-1; NARC1; PC9
Locus ID:	255738
UniProt ID:	Q8NBP7
Cytogenetics:	1p32.3

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]).