

Product datasheet for TP320000

OriGene Technologies, Inc.

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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 >RC220000 representing NM_174936 Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MGTVSSRRSWWPLPLLLLLLLLLGPAGARAQEDEDGDYEELVLALRSEEDGLAEAPEHGTTATFHRCAKD PWRLPGTYVVVLKEETHLSQSERTARRLQAQAARRGYLTKILHVFHGLLPGFLVKMSGDLLELALKLPHV DYIEEDSSVFAQSIPWNLERITPPRYRADEYQPPDGGSLVEVYLLDTSIQSDHREIEGRVMVTDFENVPE EDGTRFHRQASKCDSHGTHLAGVVSGRDAGVAKGASMRSLRVLNCQGKGTVSGTLIGLEFIRKSQLVQPV GPLVVLLPLAGGYSRVLNAACQRLARAGVVLVTAAGNFRDDACLYSPASAPEVITVGATNAQDQPVTLGT LGTNFGRCVDLFAPGEDIIGASSDCSTCFVSQSGTSQAAAHVAGIAAMMLSAEPELTLAELRQRLIHFSA KDVINEAWFPEDQRVLTPNLVAALPPSTHGAGWQLFCRTVWSAHSGPTRMATAVARCAPDEELLSCSSFS RSGKRRGERMEAQGGKLVCRAHNAFGGEGVYAIARCCLLPQANCSVHTAPPAEASMGTRVHCHQQGHVLT GCSSHWEVEDLGTHKPPVLRPRGQPNQCVGHREASIHASCCHAPGLECKVKEHGIPAPQEQVTVACEEGW TLTGCSALPGTSHVLGAYAVDNTCVVRSRDVSTTGSTSEGAVTAVAICCRSRHLAQASQELQ

SGPTRTRRLEQKLISEEDLAANDILDYKDDDDK**V**

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.





PCSK9 (NM_174936) Human Recombinant Protein - TP320000

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

Summary: This gene encodes a member of the subtilisin-like proprotein convertase family, which includes

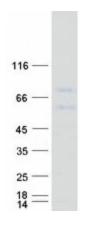
proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an

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]).