

## Product datasheet for **SC213563**

### PCSK9 (NM\_174936) Human 3' UTR Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | 3' UTR Clones                                   |
| Product Name:             | PCSK9 (NM_174936) Human 3' UTR Clone            |
| Symbol:                   | PCSK9   |
| Synonyms:                 | FH3; FHCL3; HCHOLA3; LDLCQ1; NARC-1; NARC1; PC9 |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pMirTarget (PS100062)                           |
| ACCN:                     | NM_174936                                       |
| Insert Size:              | 1298 bp   |



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**Insert Sequence:** >SC213563 3'UTR clone of NM\_174936  
 The sequence shown below is from the reference sequence of NM\_174936. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGGCGCAGGCCCTCCAGGAGCTCCAGTACAGCCCCATCCAGGATGGGTGTCTGGGGAGGGTCAAGG
GCTGGGGCTGAGCTTTAAATGGTTCGACTTGTCCCTCTCTCAGCCCTCCATGGCCTGGCACGAGGGG
ATGGGGATGCTTCCGCTTTCGGGGCTGCTGGCCTGGCCCTTGAGTGGGGCAGCCTCCTTGCTGGAA
CTCACTACTCTGGGTGCCTCCTCCCCAGGTGGAGGTGCCAGGAAGCTCCCTCCCTACTGTGGGGCAT
TTCACCATTCAAACAGGTCGAGCTGTGCTCGGGTGTGCCAGCTGCTCCAATGTCCGATGTCCGTGG
GCAGAATGACTTTTATTGAGCTTTGTTCCGTGCCAGGCATTCAATCCTCAGGTCTCCACCAAGGAGGC
AGGATTCTTCCATGGATAGGGGAGGGGCGGTAGGGGCTGCAGGGACAAACATCGTTGGGGGTGAGT
GTGAAAGGTGCTGATGGCCCTCATCTCCAGCTAACTGTGGAGAAGCCCTGGGGGCTCCCTGATTAATG
GAGGCTTAGCTTTCTGGATGGCATCTAGCCAGAGGCTGGAGACAGGTGCCGCCCTGGTGGTACAGGCT
GTGCCCTTGGTTTCTGAGCCACCTTTACTCTGCTCTATGCCAGGCTGTGCTAGCAACACCCAAAGGTGG
CCTGCGGGGAGCCATCACCTAGGACTGACTCGGCAGTGTGCAGTGGTGCATGCACCTGTCTCAGCCAACC
CGCTCCACTACCCGGCAGGGTACACATTCGCACCCTACTTCACAGAGGAAGAAACCTGGAACCAGAGG
GGGCGTGCCTGCCAAGCTCACACAGCAGAACTGAGCCAGAAACGCAGATTGGGCTGGCTCTGAAGCCA
AGCCTCTTCTTACTTCACCCGGCTGGGCTCCTCATTTTTACGGGTAAACAGTGAGGCTGGGAAGGGGAAC
ACAGACCAGGAAGCTCGGTGAGTGATGGCAGAACGATGCCTGCAGGCATGGAACTTTTCCGTTATCAC
CCAGGCTGATTCACTGGCCTGGCGGAGATGCTTCTAAGGCATGGTCGGGGGAGAGGGCCAACAACGTG
CCCTCCTTGAGCACCCAGCCACCCAAGCAAGCAGACATTTATCTTTTGGGTCTGTCTCTCTGTTGCC
TTTTTACAGCAACTTTTCTAGACCTGTTTTGCTTTTGTAACTTGAAGATATTTATTCTGGTTTTGTA
GCATTTTTATTAATATGGTGACTTTTTAAAATAAAAAACAAACAAACGTTGTCTCTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_174936.4](#)

**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]

Locus ID: 255738

MW: 47.4