

## Product datasheet for **RN217316**

### **Pcsk5 (NM\_053823) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcsk5 (NM_053823) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pcsk5
Synonyms:	Pc5; PC6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN217316 representing NM\_053823  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGACTGGGGCTGGGGAGCCGCTGCTGTGCCCGGACGGCGGGATCTGCTGTGCGTGTGCGACTGC  
 TCGCCGGCTGTCTGCTCCAGTGTGCCGGACGCGTGTCTACACCAACCACTGGGCAGTGAAGATCGCCGG  
 CGGATTCGCGGAGGCAGACCCGATAGCCAGCAAGTACGGATTCATCAACGTAGGACAGATCGGTGCGCTG  
 AAGGACTACTATCATTTCTACCACAGTAGGACCATTAAAAGATCTGTTCTCTCAAGCAGAGGAACCCACA  
 GTTTTCATTTCAATGGAACCAAAGGTGGAGTGGATCCAACAGCAAGTGGTAAAAAACGAACCAAGAGAGA  
 TTATGACCTCAGTCGTGCCAGTCGACTTACTTCAATGATCCTAAGTGGCCAAGTATGTGGTACATGCAC  
 TGCAGTGACAACACACATCCTTGCCAGTCGGACATGAATATTGAAGGAGCCTGGAAGAGAGGCTACACGG  
 GGAAGAACATCGTGGTACTATCCTGGATGATGGCATCGAGAGAACCACCCCGATCTGATGCAAAAATA  
 CGATGCTCTGGCAAGTTGCGATGTGAATGGGAATGACTTGGATCCGATGCCTCGTTATGATGCAAGCAAT  
 GAAAAACAAGCATGGGACCCGCTGTGCCGAGAAGTGGCAGCCACTGCGAACAACCTCACTGCACCGTTG  
 GAATCGCTTTCAACGCCAAAATCGGAGGTGTGAGAATGCTGGATGGTGTGTCACCGACATGGTGGAGGC  
 AAAGTCTGTACAGTATAACCCACAGCATGTACACATCTACAGTGCAGCTGGGGCCAGATGATGATGGC  
 AAGACCGTGGATGGGCCAGCTCCCTCACCCGCAAGCCTTTGAGAATGGTGTGAGAATGGTGGAGAG  
 GCCTTGGTTCTGTGTTTGTGTGGGCATCTGGCAATGGTGGACGGAGTAAAGGACCACTGCTTGTGATGG  
 CTATACCAACAGCATCTATACCTCTCCATCAGCAGTACGGCCGAAAAGTGGAAAGAAACCTTGGTACTTG  
 GAAGAGTGTTCGTCTACACTGGCCACAACCTACAGCAGTGGAGAATCCTATGATAAGAAAATAATCACTA  
 CTGATCTAAGGCAGCGGTGCACAGACAATCACACTGGAACATCAGCCTCAGCCCCATGGCTGCTGGCAT  
 CATTGCCCTGGCCCTGGAAGCCAATCCGTTTCTGACCTGGAGAGACGTACAGCATGTTATTGTCAAGACT  
 TCCCGTGCGGACATTTGAACGCTAATGACTGGAAAACCAATGCTGCTGGTTTTAAGGTGAGCCATCTCT  
 ATGGATTTGGACTGATGGATGCTGAAGCCATGGTGTGGAGGCAGAGAAGTGGACAACCTGTTCTCAGCA  
 GCACGTGTGTGTGGAGAGCACGGACCGACAATCAAGACCATTGCCCCAACAGTGCAGTGCCTCCATC  
 TACAAAGCCTCAGGCTGCTCGGATAATCCCAACCATCATGTCAATTACCTGGAGCATGTAGTCGTGCGTA  
 TTACCATCACACATCCACGGAGGGGAGACCTGGCCATCTATCTGACCTCACCCCTCAGGAACAAGATCCCA  
 GCTTTTGGCCAACAGGCTATTTGATCATTCCATGGAAGGATTTAAGAACTGGGAGTTCATGACCATTCT  
 TGCTGGGAGAACGGGCTGCTGGGACTGGGTCCTTGAAGTTTATGATACTCCATCTCAACTGAGGAACT  
 TCAAGACTCCAGTAAATTTGAAAGAATGGTCTTAGTCCTCTATGGCACATCCGTACAGCCATACTCCCC  
 AACCAACGAGTTTCCAAAGTGAACGCTTCCGCTACAGCCGGTGGAGGACCCACAGATGACTATGGT  
 GCTGAAGATTATGCAGGTCTTGTGACCCTGAGTGCAGTGAAGTTGGATGTGATGGGCCGGGACCGGATC  
 ACTGCACTGACTGTTTACTACTACTACAAGCTGAAGAATAACACCAGAATCTGTGCTCCAGCTGCC  
 TCCTGGCCACTTCCATGCTGACAAGAAGAGGTGCCGGAAGTGGCCCCAACCTGCGAGTCTGCTTTGGT  
 AGCCATGCTGATCAGTGCCTGTCTGTAATATGGCTACTTCTGAATGAAGAACTAGCAGCTGTGTTG  
 CTCAGTGCCCTGAGGGGTACACCAGGATATCAAGAAAAATATCTGTGGGAAATGCAGCGAGAAGTGTAA  
 GACGTGCACTGGATTTCACAACTGCACAGAGTGAAGGGCGGGTTAAGCCTCCAGGGATCCCCTGTTCT  
 GTCACCTGCGAGGATGGACAGTTCTTCAAGTGGTACGATTGCCAGCCCTGCCACCCTTCTGTGCCACCT  
 GTGCTGGGGCCGAGCCGATGGATGATTAAGTGCACCGAGGGTTATGTCATGGAGGAGGGAAGATGTGT  
 ACAGAGCTGTAGTGTGAGCTACTACTTGGACCACTCTTTAGAGGGTGGATAACAAGTCTGCAAGAGATGT  
 GATAACAGCTGCTTGACATGCAATGGCCAGGATCAAGAAGTCTCCAGCTGCCCCAGTGGCTATCTAT  
 TAGACTTGGGAATGTGTCAGATGGGAGCCATCTGCAAGGATGCAACGGAAGAGTCTGGGCAGAAGGAGG  
 CTTCTGTATGCTGTGAAAAAGAACAATCTATGTCAGCGGAAAGTTCTACAACAAGTGTGCTGCAAAAACA  
 TGTACATTCGAAGCTGA

AC**GGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
 TTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-NotI

<b>ACCN:</b>	NM_053823
<b>Insert Size:</b>	2748 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_053823.1</a></u> , <u><a href="#">NP_446275.1</a></u>
<b>RefSeq Size:</b>	5241 bp
<b>RefSeq ORF:</b>	2748 bp
<b>Locus ID:</b>	116548
<b>UniProt ID:</b>	<u><a href="#">P41413</a></u>
<b>Cytogenetics:</b>	1q51
<b>Gene Summary:</b>	may play a role in peptide processing and maturation [RGD, Feb 2006]