

Product datasheet for **MC228902**

Pcsk7 (NM_001281934) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcsk7 (NM_001281934) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcsk7
Synonyms:	AA959856; PC7; SPC7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228902 representing NM_001281934
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAAAGGGAGGCAGAAAGTCCACACTTGGATGCCACCTGGGCTGCCATCTGCCTCTGGCTGG
 AATTAGCCATCTTCTTTCTGGTTCCCCAGGTTCATGGGCCTATCAGAGGCAGGTGGGCTTGACATCTTGGG
 CACAGGGGGGCTGAGCTGGGCCGTACATCTGGACAGCCTAGAAGGTGAGAGGAAGGAAGAGTCTGACG
 CAACAGGCCGATGCTGTGGCCAGGCAGCAGGGCTTGTGAATGCTGGGCGCATTGGAGAATCCAGGGGC
 ACTACCTCTTTGTCCAGCCTACTGGCATAGGCAAGCCATGGAGGTGGAGGCCATGCGGCAACAGGCAGA
 GGCTGTGTAGCCAGGCATGAAGCTGTGCGCTGGCACTCGGAGCAAACGCTGCTGAAGAGGGCCAAGCGC
 AGTATCCACTTCAATGATCCCAAGTACCCTCAACAGTGGCACCTGAATAATCGGCGGAGCCAGGAAGAG
 ACATCAATGTGACAGGTGTGTGGAGCGAAATGTAAGTGGGCGTGGGTTGACAGTGGTGGTGGTGGATGA
 CGGAGTGAACACACCGTCCAGGACATCGACCCAACACAGTCCAGAGGGAAGTTATGACCTCAACTCT
 AATGACCCAGATCCCATGCCACCCCTGATGAGGAGAATGGTAACCACCATGGGACCCGGTGTGCAGGAG
 AAATTGACAGTGTGCCAACAAACAGCTTCTGTGACAGTGGGTGTGGCTACGGGAGCCGAATAGCAGGTAT
 CCGGGTGTGGATGGACCACTTACTGACAGTATGGAGGCTGTGGCGTTCAACAAGCACTATCAGATCAAT
 GACATCTACAGCTGCAGCTGGGGCCAGATGATGATGGGAAGACAGTGGATGGTCCCTCATCAGCTCGAA
 AGGCTGCCTTACAACATGGAGTGTGGCTGGTCCGAAGGCTTTGGAAGTATCTTTGTGGTTGCCAGTGG
 TAATGGGGCCAGCACAATGACAACGCAACTATGATGGCTATGCCAACTCCATCTACACTGTCACCATA
 GGAGCTGTGGATGAGGAGGGACGGATGCCTTTTTATGCAGAGGAGTGTGCCTCCATGCTGGCAGTCACT
 TCAGTGGTGGAGACAAGATGCTCGGAGCATTGTGACCACTGACTGGGACCTTCAGAAGGGCACTGGCTG
 CACTGAAGGCCACACAGGAACCTCAGCTGCAGCTCCTCTGGCAGCTGGAATGATAGCCCTCATGCTGCAG
 GTGCGGCCCTGCCTCACATGGCGGGATGTACAGCACATAATTGTCTTACAGCCATCCAGTATGAAGATC
 ATCATGCAGACTGGCTACCAATGAGGCTGGCTTACGCCACAGCCATCAGCATGGTTTCGGCCTGTCAA
 CGCTTGGAGACTTGTCAATGCAGCCAAGATCTGGACATCTGTCCCTTACTTAGCCCTCATGTCAGCCCC
 ATGCTGAAAGAAAATAAGGCTGTCCGAGGTCCCCCACTCTCTGGAGGTGCTATGGAATGTCAGCAGGA
 CGGACCTGGAGATGTCGGGGCTGAAGACCTTGGAAACATGTGGCAGTGACAGTCTCCATCACTACCCACG
 ACGTGGCAGCTTAGAACTGAAACTGTTTTGTCCAGTGGCATGATGTCTTTGATCGGCGCCCGCCGACG
 ATGGACTCGGATCCTAATGGCTTCAATGCTTGGACCTTTTCCACTGTGCGGTGCTGGGGGAAAGAGCAA
 GAGGCGTCTACAGACTGGTTATCAGGGATGTAGGAGATGAGCCGCTCCAGATGGGCATCCTCCAGCAGTG
 GCAGCTGACCCTGTATGGCTCCATGTGGAGTCCAGTAGACATCAAGGACAGACAAAGTCTCTTAGAAAGT
 GCTATGAGTGGAAAATACCTGCATGATGGCTTACCCTGCCTTGGCCACCTGGGCTGAAAATCCCTGAGG
 AGGATGGCTACACCATTACCCTAACACACTCAAGACCTTGTGCTGGTAGGCTGCTTCACTGTCTTCTG
 GACTATTTACTACATGCTAGAAGTGTGCCTGAGCCAGAGGAACAAGGCTTCCACCCATGGCTGCAGGAAG
 GGATGCTGCCCTGGGCCCCACGAAGGCAAACTCCAAGGATGCAGGGACAGCACTAGAATCAATGCCAC
 TGTGCAGCAGCAAGGACCTGGATGGAGTGGATTAGAGCATGGGACTGCACAACATGATCTAGCTTCTCT
 GGCCCCAGAGCTGGATTGTCTCCACACCAACCCCAAGACCTGCTGCAGGGGAAGAGCGGGCAGATTGCT
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001281934
Insert Size: 2313 bp

OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_001281934.1, NP_001268863.1</u>
RefSeq Size:	4098 bp
RefSeq ORF:	2313 bp
Locus ID:	18554
UniProt ID:	<u>Q61139</u>
Cytogenetics:	9 25.32 cM
Gene Summary:	<p>Serine endoprotease that processes various proproteins by cleavage at paired basic amino acids, recognizing the RXXX[KR]R consensus motif. Likely functions in the constitutive secretory pathway.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>