

Product datasheet for **MC221289**

Pcsk1 (NM_013628) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcsk1 (NM_013628) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcsk1
Synonyms:	Nec-1; Nec1; PC1; PC3; Phpp-1; SPC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221289 representing NM_013628
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCAAAGAGGTTGGACTCTGCAGTGTACTGCTTTTCGCCTTCTTTTTCGCTTTGGTGTGCACTAAACA
 GTGTAAGCAAAGAGGCAAGTTGTTAATGAATGGGCGGCGAGATCCCCGGAGGCAAGAAGCTGCCTC
 TGCCATCGCCGAAGAAGCTGGGGTATGACCTTTTGGGTGAGATTGGATCACTTGAAAATCACTATTTATTC
 AAACACAAAAGCCATCCTCGGAGGTCTCGAAGAAGCGCTTTCATATCACTAAGAGGTTATCTGATGATG
 ATCGTGTGACGTGGGCTGAACAACAGTATGAAAAAGAGAGAAGTAAACGTTCAAGTTCAAAAAGACTCAGC
 ATTGGATCTCTCAATGATCCAATGTGGAATCAGCAGTGGTACTTGAAGATAACCAGAATGACTGCAGCT
 CTGCCAAGCTGGACCTCATGTAATACCTGTTGGGAAAAGGGTATTACTGGCAAAGGAGTTGTTATTA
 CTGTACTGGATGATGGCTTGGAGTGAATCACACAGACATTTATGCCAATTATGATCCAGAGGCTAGCTA
 TGATTTTAAACGATAATGATCATGATCCATTTCCCGATATGATCTCACAATGAAAACAAACATGGAACA
 AGATGTGCAGGTGAAATTGCCATGCAAGCAAATAATCACAAAGTGTGGGGTTGGAGTTGCATATAATTCCA
 AAGTTGGAGGCATAAGAATGCTGGATGGCATTGTAAGTATGCCATTGAGGCTAGTTCAATTGGATTCAA
 CCCTGGCCATGTGGATATTTACAGTGAAGCTGGGGCCCTAATGATGATGGAAAACTGTGGAGGGGCT
 GGCAGACTAGCCAGAAGGCATTTGAATATGGTGTCAAACAGGGGAGACAAGGGAAAAGGCTCCATCTTTG
 TCTGGGCTTCAGGGAATGGGGTTCGTGAGGAGATAACTGTGACTGTGATGGCTACACAGACAGCATTTA
 CACCATCTCTATCAGCAGTGCCTCCAGCAAGGCTGTCACTTGGTATGCAGAGAAGTGTCTTCCACA
 TTGGCTACCTCTACAGCAGTGGTATTACACAGACCAGCGAATAACAAGCGCTGACCTGCACAATGACT
 GCACAGAGACCCACACAGGCACCTCGGCTTCAGCACCCCTGGCTGCTGGTATCTTTGCTGGCCTTGA
 GGCAAACCCAAATCTTACCTGGAGAGATATGCAGCATCTGGTTGTCTGGACCTCTGAGTACGACCCATTG
 GCCAGTAACCCAGGTTGAAAAAGAATGGGGCAGGCTTGTGGTGAACAGCCGATTTGGATTTGGCTTGC
 TAAATGCCAAAGCTCTGGTGGATTTGGCTGATCCTAGGACCTGGAGAAATGTGCCTGAGAAGAAAGAATG
 TGTTGTAAAAGACAATAACTTTGAGCCTAGAGCCCTGAAAGCTAATGGAGAAGTAATTGTTGAAATCCCA
 ACAAGAGCTTGTGAAGGACAAGAAAATGCTATCAAGTCTCTGGAACATGTGCAATTTGAAGCAACAATTG
 AATATTCTCGTAGAGGAGACCTTATGTCACACTCACTTCTGCTGTTGGAACCAGCACTGTACTGTTGGC
 TGAAGGGAAAGAGATACATCCCCAATGGCTTTAAGAATTGGGACTTCACTGTCTGTTTACATACATGGGA
 GAGAATCTGTAGGCACCTGGACATTGAAAATTACAGACATGTCTGGAAGATGCAAAATGAAGGAAGGA
 TTGTGAACTGGAAGTTGATTTTGCATGGGACATCTTCTCAACCAGAGCACATGAAGCAGCCTCGTGTGTA
 CACATCCTACAATACAGTCCAGAATGACAGGAGAGGAGTGGAAAAGATGGTGAATGTTGTGGAGAAGCGG
 CCCACACAAAAGAGCCTGAATGGCAATCTCCTGGTACCCAAAACTCCAGCAGCAGCAATGTGGAGGGTA
 GAAGGGATGAGCAGGTACAAGGAACTCCTTCAAAGGCCATGCTGCGACTCCTACAAAGTGCTTTTAGCAA
 GAATGCACTTTCAAAAACATCACCAAGAAGTCTCCAAGTGCAAAGCTCAGCATCCCTTATGAAAGTTTC
 TATGAAGCCTTGGAAAAGCTCAACAAGCCCTCCAAGCTTGAAGGCTCTGAAGACAGTCTGTACAGTGACT
 ATGTTGATGATTTCTATAACACAAAACCTTATAAGCATAGAGATGACAGGCTGCTGCAAGCTCTCATGGA
 CATCCTAAATGAGGAGAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013628
Insert Size: 2262 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).
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:	NM_013628.2 , NP_038656.1
RefSeq Size:	2516 bp
RefSeq ORF:	2262 bp
Locus ID:	18548
UniProt ID:	P63239
Cytogenetics:	13 40.63 cM
Gene Summary:	Involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues. Substrates include POMC, renin, enkephalin, dynorphin, somatostatin, insulin and AGRP.[UniProtKB/Swiss-Prot Function]