

Product datasheet for **MC219980**

Pcsk2 (NM_008792) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcsk2 (NM_008792) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcsk2
Synonyms:	6330411F23Rik; AI839700; Nec-2; Nec2; PC2; Phpp-2; SPC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219980 representing NM_008792
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGCGGTTGTGGATCCCAGTGAAGGGCGGCCGGTTCTCTTCTGTGTGATGGTTTTTTCGCTCTG
 CCGAGAGACCCGCTTTCACGAATCATTTTCTGTGGAGTTGCATAAAGACGGAGAGGAAGAGGCTCGCCA
 AGTTGCAGCAGAACACGGCTTTGGAGTCCGAAAGCTCCCTTTGAGAAGGCCTGTATCACTTTTATCAC
 AATGGGCTTGCAAAGGCCAAAAGAAGACGCAGCCTACACCATAAGCGGCAGCTAGAGAGAGACCCAGGA
 TAAAGATGGCGCTGCAACAAGAAGGATTTGACCGTAAAAAGAGAGGGTACAGGGACATCAATGAGATTGA
 CATCAACATGAATGATCCTCTCTTTACAAAGCAATGGTACCTGTTCAACACTGGGCAAGCCGATGGA
 CCTGGGCTAGACTTGAACGTGGCCGAAGCTGGGAGCTGGGATACACAGGAAAAGGAGTGACCATTGGAA
 TTATGGATGATGGAATTGACTATCTCCACCCAGACCTGGCCTACAACACAACGCTGATGCAAGTTATGA
 CTTGAGCAGCAATGACCCCTACCCATACCTCGATACACAGATGACTGGTTCAACAGCCATGGA
 ACTAGGTTGTCAGGAGAAGTTTCTGCTGCAGCCAGCAACAATATCTGTGGAGTCCGGCTAGCATACA
 ACTCCAAGGTGGCAGGGATCCGGATGCTGGACCAGCCCTTTATGACAGACATCATCGAAGCCTCCTCC
 ATCAGCCACATGCCTCAACTGATCGACATCTACAGTGAAGCTGGGGCCCCACAGACAATGGGAAGAC
 GGTGATGGGCCCAGAGAGCTCACACTCCAGGCCATGGCTGATGGCGTGAACAAGGGCCGTGGGGG
 CAAAGGCAGCATCTATGTGGGCTCTGGGGACGGTGGCAGCTACGATGACTGCAACTGTGACGGCT
 ATGCTTCAAGCATGTGGACATCTCCATCAACTCAGCCATCAATGATGGCAGGACTGCCTTGTATGAT
 GAGAGTTGCTCTTCCACCTTAGCATCCACCTTCAGCAATGGGAGGAAGAGGAATCCTGAGGCTGGT
 GTGGCTACCAGACTGTATGGCAACTGACTCTGAGACACTCTGGGACATCTGCAGCTGCTCCGGAGG
 CAGCTGGCGTGTGGCATTAGCTTTGGAGGTAACCTGGATCTGACCTGGAGAGACATGCAACATCTG
 ACTGTGCTCACCTCCAAGCGGAACCAGCTTCATGATGAGGTTTCAGTGGCGACGGAATGGGGTTGG
 CCTGGAATTTAATCACCTCTTTGGCTACGGAGTCTTGATGCAGGTGCCATGGTGA
 AAATGGCTAAAGACTGGAAA
 ACTGTTCCGGAGAGATTCCATTGTGTTGGGAGGCTCTGTGCAGAACCTGAAAAATACCACCCACCGG
 CAAGCTGGTACTGACCTCAAAACAATGCATGTGAGGGGAAGGAAA
 ACTTCGTCGCTACCTGGAGCACGTCCAAGCTGTCATCACAGTCAACGCGACCAGGAGAGACCTGA
 ACATCAACATGACCTCCCCAATGGGCACCAAGTCCATTTTGTGAGCCGCGCTCCCAGAGACGAC
 TCCAAGGTGGGCTTTGACAAGTGGCCTTTCATGACCACCCACACCTGGGGGAGGATGCCCGAGG
 GACCTGGACCTGGAGCTGGGTTTGTGGGCAGTGCACCACAGAAGGGGTTGCTGAGGAATGGACC
 CTGATGCTTACGGCACACAGAGCGCCCATACATCGATCAGGTGGTGAAGGATTACCATGCTAAGCT
 GGCCATGTCCAAGAAGCAGGAGCTGGAGGAAGAGCTGGATGAGGCTGTGGAGAGAAGCCTGCA
 AAGTATCCTGAGAAAGAACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_008792
- Insert Size:** 1914 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:

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_008792.4](#), [NP_032818.1](#)

RefSeq Size: 4766 bp

RefSeq ORF: 1914 bp

Locus ID: 18549

UniProt ID: [P21661](#)

Cytogenetics: 2 70.89 cM

Gene Summary: Involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues. Responsible for the release of glucagon from proglucagon in pancreatic A cells (By similarity).[UniProtKB/Swiss-Prot Function]