

## Product datasheet for **RN214318**

### **Pcsk2 (NM\_012746) Rat Untagged Clone**

#### **Product data:**

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | Expression Plasmids                  |
| Product Name:             | Pcsk2 (NM_012746) Rat Untagged Clone |
| Tag:                      | Tag Free                             |
| Symbol:                   | Pcsk2                                |
| Mammalian Cell Selection: | Neomycin                             |
| Vector:                   | pCMV6-Entry (PS100001)               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                 |



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**Fully Sequenced ORF:** >RN214318 representing NM\_012746  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGCGGTTGTGGATCTCAGTGAAGGCGGCCGGGTTCTCTTCTGTGCATGGTTTTTTCGCTCTG  
 CCGAGAGACCGGTCTTACGAATCATTTTCTTGTGGAGTTGCATAAAGACGGAGAGGAAGAGGCTCGCCA  
 AGTTGCAGCAGAACCGATTTGGAGTCCGAAAGCTCCCTTTGAGAAGGCCTGTACCCTTTTACCAC  
 AATGGCCTTGCAGAGCCAAAAGAAGACGCAGCCTACATCACAAGCGGCAGCTGGAGAGAGACCCAGGA  
 TAAAGATGGCCCTGCAGCAAGAAGGATTTGACCGTAAAAAGAGAGGGTACAGAGACATCAATGAGATTGA  
 CATCAATATGAATGATCCTCTTTTTACAAAGCAATGGTACCTGTTCAACACTGGGCAAGCTGACGGGACT  
 CCTGGGCTAGACTTGAATGTGGCCGAAGCTGGGAGCTGGGATACACAGGAAAGGAGTGACCATTGGAA  
 TCATGGACGATGGAATTGACTATCTCCACCCAGACCTGGCCTACAATAAATCTGATGCAAGTTATGA  
 CTTTCAGCAGCAATGACCCCTATCCATACCTCGATACACAGATGACTGGTTCAACAGCCATGGAACCAGG  
 TGTGCAGGAGAAGTTCCGCTGCAGCCAGCAACAATATCTGTGGAGTCGGTGTAGCATACAACCTCAAGG  
 TGGCAGGTATCCGGATGCTGGACCAGCCCTTTATGACTGACATCATCGAGGCCTCCTCCATCAGCCACAT  
 GCCTCAACTGATCGACATCTACAGTGAAGCTGGGGCCCCACAGACAACGGGAAGACAGTTGATGGGCC  
 CGAGAGCTCACGCTCCAGGCCATGGCTGATGGTGTGAACAAGGGCCGTGGGGGCAAAGGCAGCATCTATG  
 TGTGGGCTCCGGGACGGTGGCAGCTACGATGACTGCAACTGTGACGGCTATGCGTCAAGCATGTGGAC  
 CATCTCCATCAACTCGGCCATCAACGACGGCAGGACCGCCTTGTATGACGAGAGCTGCTCTTCCACCTTG  
 GCCTCTACGTTACGCAACGGGAGGAAGAGGAATCCCGAGGCCGGTGTGGTACCACAGACTTGTATGGCA  
 AACTGACTCTGAGGCATTCTGGACATCTGCAGCTGCTCCTGAGGCAGCTGGCGTGTGGATTGGCTTT  
 GGAGGCTAACGTGGATCTGACCTGGCGAGACATGCAACATCTGACAGTGTCCACCTCCAAGCGAAACCAG  
 CTTACAGTATGAGTTTCATCAGTGGCGACGGAATGGGGTTGGCCTGGAATCAATCACCTCTTTGGCTACG  
 GAGTCTTGATGCAGGTGCCATGGTAAAATGGCTAAAGACTGGAAAAGTGTCCAGAGAGATTCCACTG  
 TGTGGGAGGCTCGGTGCAGAACCTGAGAAAATACCACCCACCGCAAGTTGGTACTGACCTCCAAACA  
 AATGCATGTGAGGGGAAAGAAAACCTCGTCCGCTACCTCGAGCATGTCCAAGCTGTATCACAGTCAACG  
 CAACCAGGAGAGGAGACTGAACATCAACATGACCTCCCCGATGGGCACCAAGTCCATTTTGTAAAGCCG  
 GCGTCCAAGAGACGACTCCAAGTGGGCTTTGACAAGTGGCCTTTCATGACCACCCACACTGGGGG  
 GAGGATGCCCAGGGACCTGGACCTGGAGCTGGGGTTTGTGGCAGTGCACCACAGAAGGGCTTGCTGA  
 AGGAATGGACCTCATGCTACATGGCACCCAGAGTGCCCCATACATCGATCAGGTGGTGAAGGATTACCA  
 ATCGAAGTTGGCCATGTCCAAGAAGCAAGAGCTGGAGGAAGAGCTAGATGAAGCTGTGGAGAGAAGTCTG  
 CAAAGTATCCTGAGAAAGAACTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_012746
- 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\\_012746.1](#), [NP\\_036878.1](#)

**RefSeq Size:** 2446 bp

**RefSeq ORF:** 1914 bp

**Locus ID:** 25121

**UniProt ID:** [P28841](#)

**Cytogenetics:** 3q41

**Gene Summary:** may play a role in endoproteolytic cleavage and processing of pro-cholecystokinin to produce CCK-8 [RGD, Feb 2006]