

## Product datasheet for **MC204280**

### Proc (NM\_001042767) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Proc (NM\_001042767) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Proc  
**Synonyms:** P; PC  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC013896  
 CCACGCGTCCGGGATTAACCTGACTCCCAGACTGACATGGCGCTACCTGGACGAAATTGCAGTTTCTCCT  
 TGGCCACGCCTGTGTCAGCAGCTCCAGGATGTGGCAATTCAGAGTCTTCTCCTGCTGCTCATGTCCACCTG  
 GGGAAATCTAGCATACCGGCCATCCTGACCCAGTGTTCTCCAGCAGCGAGCATGCCACCAGGTGCTT  
 CGGGTCAGACGTGCCAACAGCTTCTGGAAGAGATGCGGCCAGGCAGCCTGGAACGGGAGTGATGGAGG  
 AGATCTGTGACTTCGAGGAGGCCAGGAGATTTTCCAAAATGTGGAAGACACACTGGCCTTCTGGATCAA  
 GTACTTTGACGGTGACCAGTGCTCGGCTCCACCCTTGGACCACCAGTGCGACAGCCCATGCTGCGGGCAT  
 GGCACCTGCATCGACGGCATAGGCAGCTTCAGCTGCAGCTGCGATAAGGGCTGGGAGGGCAAGTTCTGTC  
 AGCAGGAGTTGCGCTTCCAGGACTGTGGGTGAACAATGGCGGCTGCTTGCCTACTGCCTGGAGGAGAG  
 CAATGGGGCGGCTGCGCTTGTGCCCCGGGCTATGAGCTGGCAGACGACCACATGCGCTGCAAGTCCACT  
 GTGAATTTTCCATGTGGGAACTGGGGAGGTGGATAGAGAAGAAACGCAAGATCCTCAAACGAGACACAG  
 ACTTAGAAGATGAACTGGAACCAGATCCAAGGATAGTCAACGGAACGCTGACGAAGCAGGGTGACAGTCC  
 TTGGCAGGCAATCCTTCTGGACTCCAAGAAGAAGCTGGCCTGCGGAGGGGTGCTCATCCACACTTCTGG  
 GTGCTGACGGCAGCCACTGCGTGGAGGGCACCAAGAAGCTTACCCTGAGGCTTGGTGAGTATGATCTGC  
 GACGCAGGGACCACTGGGAGCTGGACCTGGACATCAAGGAGATCCTCGTCCACCCAACTACACCCGGAG  
 CAGCAGTGACAACGACATTGCTCTGCTCCGCTAGCCAGCCAGCCACTCTCTCCAAAACCATAGTGCC  
 ATCTGCCTGCCGAACAATGGGCTGGCGCAGGAGCTCACTCAGGCTGGCCAGGAGACAGTGGTGACAGGCT  
 GGGGCTATCAAAGCGACAGAATCAAGGATGGCAGAAGGAACCCGACCTTCATCCTCACCTTCATCCGCAT  
 CCCTTTGGTTGCTCGAAATGAGTGCCTGGAGGTCATGAAGAATGTGGTCTCGGAGAACATGCTGTGTGCA  
 GGATCATTGGGGACACGAGAGACGCCTGTGATGGTGACAGTGGGGGCCCATGGTGCTTCTTTTCGGG  
 GTACCTGGTTCCTGGTGGCCTGGTGAGCTGGGGTGGAGGCTGTGGGCACACCAACAACATATGGCATCTA  
 CACCAAAGTGGGAAGCTACCTCAAATGGATTACAGTTACATTGGGGAAAAGGGTGTCTCCCTTAAGAGC  
 CAGAAGCTATAGCACCCCTCCCTGCTCACCTCTGGACCCTAGAAGTCACTCTTGGAGTAAGGCTGGGCTA  
 GTGAGTACCAAGACAGAGGACATTAAGGAGCATGCAACAACATAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_001042767  |
| <b>Insert Size:</b>           | 1383 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>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>                | <a href="#">BC013896</a> , <a href="#">AAH13896</a>   |
| <b>RefSeq Size:</b>           | 1603 bp   |
| <b>RefSeq ORF:</b>            | 1383 bp   |
| <b>Locus ID:</b>              | 19123   |
| <b>UniProt ID:</b>            | <a href="#">P33587</a>  |
| <b>Cytogenetics:</b>          | 18 B1   |
| <b>Gene Summary:</b>          | <p>This gene encodes the vitamin K-dependent protein C, which plays a vital role in the anticoagulation pathway. The encoded protein undergoes proteolytic processing including activation by thrombin-thrombomodulin complex to form the anticoagulant serine protease that degrades activated coagulation factors. A complete lack of the encoded protein in mice results in severe perinatal consumptive coagulopathy in the brain and liver, resulting in death within 24 hours after birth. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate the mature protein. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses an in-frame downstream start codon, compared to variant 1. The encoded isoform (2) is shorter at the N-terminus, compared to isoform 1. 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> |