

## Product datasheet for **RN213318**

### Pros1 (NM\_031086) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pros1 (NM_031086) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pros1
Synonyms:	Pros
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213318 representing NM\_031086  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGGGTCTGAGCGTGCCTTTTCGGGTGCTACTGGCCTGCCTCGCCCTGGTGCTCCCTGTCTCAGAGA  
 CAAACTTCTTGTCAAAGAACGAGCTTCAAGTCTGGTGAGGAAGCGCCGTGCAAAATACCTTGCCTCGA  
 AGAAACTAAAAAGGGCAACCTTGAAGAGAGTGCATTGAAGAAGTCTGCAATAAGGAGGAAGCCAGGGAG  
 GTCTTTGAAAATAATCCCGAAACGGATTATTTTTATCCAAAATATTTAGTTGTCTGGGCGCATTCCGAG  
 TTGGCGCATTCACTGCTGCGAGGAGCAGCTAATGCTTACCCTGACCTCAGGAGCTGTGTCAATGCCAT  
 CCCAGACCAATGTGACCCTATGCCATGCAATGAAGATGGGTATCTGAGCTGCAAAGACGGCCAAGGTGCT  
 TTTACTTGCATCTGTAACCAGGCTGGCAAGGAGACAAGTGTGAGTTGATATAAATGAATGCAAAGATC  
 CCTCAAATATCAATGGGGCTGTAGCCAGACTTGTGACAATACTCTGGAAGTTACCACTGCTCCTGTAA  
 AATTGGCTTTGCTATGCTCACAATAAGAAAGACTGCAAAGATGTGGATGAGTCTCTAAAGCCAAGT  
 GTCTGTGGCACAGCTGTGTGCAAGAACATTCCAGGAGACTTCAATGTGAATGTCCCAATGGCTACAGAT  
 ATGATCCCTCATCAAATCTTGTAAAGATGTCGATGAATGCTCTGAAAACACCTGTGCCAACTGTGTGT  
 CAATTACCCCGGAGGCTACTCTTGTACTGTGATGGGAAGAAAGGATTCAAACCTTGCCAAAGATCAGAGG  
 AGTTGTGAGGGTATTCCAGTGTGCCTTCTTGGACCTTGACAAAAATTATGAATTATTATTTGGCGG  
 AACAGTTCGCAGGAGTTGTCTTATCTGAAATTCGATTGCCAGATACACCAGTTTTTCAGCTGAATT  
 TGATTTTCGGACATATGATTTCAGAGGGCATCACTGTATGCAGAATCTCTCGATCACTCAAATGGCTC  
 CTGATTGCACTTCGTGAAGGGAAGATTGAAGTTCAGTTAAGAATGAGTTTTCAACCCAAATCACAACCTG  
 GGGCAATGTTATTAACAATGGTATATGGAATATGGTGTCTGTGGAAGAATTAGACGACAGTGTTAGCAT  
 TAAAAATAGCTAAGGAGGCGGTGATGAATTAATAAACTTGGGAGTCTTTTTAAACCTACCGATGGATTT  
 CTGGACACCAAAATATACTTTGCAGGATTACCTCGGAAGGTGGAAAGTGAAGTCACTCATTAAAGCCGATTAATC  
 CTCGTCTGGATGGATGTATACGAGGCTGGAACCTGATGAAACAAGGAGCTTTGGGTGCAAAGGAAATAGT  
 TGAAGGAAAAAATAAACATTGCTTCTCACTGTGGAGAAGGGCTCTACTACCCTGGTTCAGGAATT  
 GCTCAGTTCAGCATAGACTACAATAATGTAAGTAAATGCAGAGGGTTGGCAATAAATGTGACCTTGAA  
 TTCGCCCTCCACTGGCACTGGAGTCATGCTTGTCTTTAGTTTCTGGGGACACAGTGCCTTTGCCTTGTC  
 CTTGGTGGATTCTGGCTCTGGAACCTCTCAGGACATTCTGGTATTTGTTGAAAATTCAGTAGCAGCTCAC  
 TTAGAAGCCATAACTCTGTGCTCGGAACAGCCATCCCAGCTGAAATGTAACATTAACAGAAATGGACTGG  
 AACTGTGGACCCAGTTAGAAAAGACGTCATTTACTCTAAAGATCTCAAAGGCAACTCGCCATCTTGGA  
 CAAAACAATGAAAGGAACCGTGGCCACTTACCTGGGTGGCGTTCCAGATATTTCTTTCAGTGCCACACCA  
 GTGAATGCTTTTTACAGCGGCTGCATGGAAGTGAACATCAACGGGGTACAGTTGGATCTGGATGAAGCCA  
 TTTCCAAACATAATGACATTAGAGCTCACTCCTGTCCGTGAGGAGAAATCCAGAAGAACTT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031086

**Insert Size:** 2028 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\\_031086.2](#), [NP\\_112348.2](#)

**RefSeq Size:** 3273 bp

**RefSeq ORF:** 2028 bp

**Locus ID:** 81750

**Cytogenetics:** 7q11

**Gene Summary:** component of the Protein C/Protein S anticoagulant system; human homolog interacts with factor Xa, factor Va, and phospholipids to inhibit prothrombin activation [RGD, Feb 2006]