

Product datasheet for **MC220323**

Pros1 (NM_011173) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pros1 (NM_011173) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pros1
Synonyms:	AW214361
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_011173, the custom clone sequence may differ by one or more nucleotides

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ATGAGGGTCTGAGCGCACGCTTTCGGGTGCTACTGGCCTGCCTCGCCCTGGTGATCCCTGTCTCAGAGA
CAAACCTCTGTCCAAAGAGCGTGCTTCCAAAGTCTGGTGAGGAAGCGCCGTGCAAATACCTTGTTCGA
AGAACTATGAAGGGCAACCTTGAACGAGAGTGCATTGAAGAATCTGCAATAAGGAGGAAGCCAGGGAG
GTCTTTGAAAATAATCCCGAGACGGATTATTTTTATCCAAAATATTTAGGTTGTCTGGGGCATTCCGTG
TTGGCTCATTCCATGCTGCGAGGCACTAGCTAATGCTTATCCTGACCTCAGAAGCTGTGTCAAAGCCAT
CTCAGACCAATGTGACCCTATACCATGCAATGAAGATGGGTATCTGGCCTGCCAAGATGGCCAAGCTGCT
TTTACTTGCTTCTGTAAGCCCGGTGGCAAGGAGACAGGTGTCAGTATGATGTAATGAATGTAAGATC
CCTCAAATGTCAATGGAGGCTGCAGCCAGATTTGTGACAACACTCCTGGAAGTTACCACTGCTCTGTAA
AAGAGGCTTTGCTATGCTCCAAATAAGAAAGACTGCAAAGATTTGGATGAATGCGCTCTAAAGCCAAGT
GTCTGTGGCACAGCTGTGTGCAAGAACATTCCAGGAGACTTCAATGTGAATGTCCCGACGGCTACCGAT
ATGATCCCTCATCAAATCTTGTAAAGATGTTGATGAGTGTCTGAGAACATGTGTGCTCAACTGTGTGT
CAATTTCCCTGGAGGCTACTCTTGTACTGTGATGGGAAGAAAGGATTCAAACCTGCCCAAGATCAGAAG
AGTTGTGAGGGTATCCCAGTGTGCCTTTCCTTGGACCTTGACAAAACTATGAATTATTATACTTGGCCG
AGCAGTTTGCAGGAGTTGCTTATATCTGAAATTCGATTGCCAGATATCACGAGGTTTTTCAGCTGAATT
TGATTTTCGCACATATGATTTCAGAGGGCATCACTGTATGCAGAATCTCTCGACCACTCCAATTGGCTC
CTGATTGCGCTTCGTGATGGGAAGATTGAAGTTCAGTTTAAAGAATGAGTTTTCGACCCAAATCACAACCTG
GAGGCAATGTTATTAACAACGGTATATGGAATATGGTGTCTGTGGAAGAATTAGACGACAGTGTAGCAT
TAAATAGCTAAGGAGGCCGTGATGAATATTAATAAACTTGGCAGCCTTTTTAAGCCTACCGATGGATTT
CTGGACACCAAAATATACTTCGCAGGCTTACCTCGGAAGGTGAAAAGCGCACTATTAACCGATTAATC
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GCTCAGTTCAGCATAGACTACAATAATGTAACATGCAGAGGTTGGCAAATGAATGTGACCTTGAATA
TCCGCCCTTCCACTGGCACTGGAGTCATGCTGGCTTTGGTTTCTGGGGCACAGTGCCCTTTCCTTGTCT
CTTGGTGGATTCTCGCTCTGGAACGCTCAGGATATTGTGGTATTTGTTGAAAATTCAGTGGTGGCTCGA
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CAAAGCAATGAAAAGAACCGTGGCCACTTACCTGGGTGGCATCCCAGATATTTCTTTCAGTGCCACCA
GTGAATGCCTTTTACAGTGGCTGCATGGAAGTGAACATCAATGGGGTGCAGTTGGACCTGGATGAAGCCA
TTTCTAAACATAAGGACATTAGAGCTCACTCGTCCCGTCACTGAGGAAGATCCAGAAGAATTTTAG
    
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Restriction Sites: Sgfl-MluI

ACCN: NM_011173

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: [BC128316](#), [AAI28317](#)

RefSeq Size: 2875 bp

RefSeq ORF: 2028 bp

Locus ID: 19128

UniProt ID: [Q08761](#)

Cytogenetics: 16 C1.3

Gene Summary: This gene encodes a vitamin K-dependent protein with key roles in multiple biological processes including coagulation, apoptosis and vasculogenesis. The encoded protein undergoes proteolytic processing to generate a mature protein which is secreted into the plasma. Mice lacking the encoded protein die in utero from a fulminant coagulopathy and associated hemorrhages. [provided by RefSeq, Oct 2015]