

## Product datasheet for **MC220563**

### **Aplp2 (NM\_009691) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aplp2 (NM_009691) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aplp2
Synonyms:	A1790698; APLP-2; CDEBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220563 representing NM\_009691  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGCCACCGGACC GCGGCCGCTGCGGCCACCGCAAGCTTCTTGTCTGCTGCTGCTCGGGCTCA  
 CGGCGCCCGCTGCGGCTCTGGCTGGCTACATAGAGGCTCTTGCAGCCAATGCTGGAACAGGCTTCGCTGT  
 TGCTGAGCCTCAGATTGCGATGTTCTGTGGGAAGCTGAATATGCATGTGAACATTCAGACTGGCAAATGG  
 GAGCCTGACCCAACAGGCACCAAGAGCTGCCTTGAACAAAGGAGGAGGTTCTTCAGTACTGCCAGGAGA  
 TATATCCAGAGCTGCAGATCACAAATGTGATGGAAGCAAACCAGCCAGTCAATATTGATAGTTGGTGCCG  
 AAGGGACAAAAGGCAGTGAAGAGTACATTGTTATACCATTCAAGTGTCTTGTGGGTGAATTTGAAGT  
 GATGTCCTGCTAGTTCAGATAACTGCCAGTTTTCCACCAAGAGCGGATGGAGGTGTGTGAGAAGCACC  
 AGCGCTGGCACACGTTAGTCAAGGAGGCATGTCTGACTGAGGGGCTGACCTTATATAGCTATGCCATGCT  
 GCTGCCCTGCGGGTAGACCAGTCCATGGCACCAGTATGTGTGCTGCCCTCAGACAAAGACTGTTGAC  
 TCGGACTCGACTATGTCCAAAGAAGAGGAGGAAGAGGAAGAGGATGAAGAGGACGAAGAGGAAGACTATG  
 ATCTTGATAAAAGTGAATTTCTACTGAAGCAGATTTGGAAGACTTCACAGAAGCAGCAGAGATGAGGA  
 AGAAGAGGATGAGGAGGAAGGGGAGGAAGTGGTGAAGACCGTACTACTATGACCCCTTTAAAGGA  
 GACGATTACAATGAGGAGAAATCCAACCGAACCCAGCAGCGAGGGCACCATTTAGACAAGGAGATTGTTT  
 ACGATGTTAAAGTTCCTCCGACTCCCCTGCCAACCAATGATGTTGATGTGATTTTGGAGCCTCAGCGGA  
 TGATAATGAGCACGCCGCTTCCAGAAGGCTAAGGAACAGCTGGAATTCGACATCGAAACCGAATGGAC  
 AGGGTAAAGAAGGAATGGGAAGAGGCAGAACTTCAAGCCAAGAACCTCCCAAGACAGAAAGACAGACCC  
 TCATCCAGCATTTCAGCTATGGTTAAAGCTTTAGAGAAAGAAGCAGCCAGTGAGAAGCAGCAGCTTGT  
 GGAAACCCATCTGGCCGAGTAGAAGCCATGCTGAATGACCGCCGACGCATAGCTCTGAAAATTACCTG  
 GCTGCCCTGCAGTCTGACCCACCTCGGCCACATCGCATTCTTCAAGCTCTTCGTCGTTACGTCCGTGCTG  
 AGAACAAAGATCGCTGCATACCATTCTGTCATTACCAACACGTGTTGGCTGTTGACCCAGAAAAGGCCGC  
 CCAGATGAAATCCAGGTGATGACACACCTCCATGTGATTGAAGAAAGAAGGAACCAAAGTCTTTCTCTT  
 CTGTACAAAGTTCCTTATGTTGCTCAAGAAATCAAGAGGAAATGATGAGCTCCTTCAGGAACAGCGAG  
 CGGATATGGACCAATTTACCTCCTCATCTCAGAGAACCCTGTGGATGTCCGGGTGAGCTCTGAGGAGAG  
 TGAGGAGATCCCCTGTTCCACCCTCTCCATCCCTTCCATCCTTGTCTGAGAATGAAGGCTCTGGAATG  
 GCAGAACAAGACGGGGACTGATTGGTGCAGAAGAAAAGTGATTAACAGCAAGAATAAAATGGATGAAA  
 ATATGGTCATTGACGAGACTCTGGATGTTAAGGAAATGATTTTCAATGCTGAGAGAGTTGGAGGCCCTTGA  
 GGAAGAGCCGGAATCGGTGGGACCTTTAAGGGAGGATTTAGTTTGGAGCAATGCCCTTATTGGCTTG  
 CTGTTATCGCAGTGGCCATTGCTACGGTCATCGTTATCAGCCTGGTGTGCTGAGGAAGAGGCAGTACG  
 GCACCATCAGCCACGGGATTGTGGAGGTTGACCAATGCTCACCCAGAAGAGCGTCACCTGAACAAGAT  
 GCAGAACCATGGTTATGAAAACCAACCTACAAATACCTGGAGCAGATGCAGATT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_009691
- Insert Size:** 2088 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).

<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>	<u>NM_009691.2, NP_033821.1</u>
<b>RefSeq Size:</b>	3490 bp
<b>RefSeq ORF:</b>	2088 bp
<b>Locus ID:</b>	11804
<b>Cytogenetics:</b>	9 16.66 cM
<b>Gene Summary:</b>	<p>May play a role in the regulation of hemostasis. The soluble form may have inhibitory properties towards coagulation factors. May interact with cellular G-protein signaling pathways. May bind to the DNA 5'-GTCACATG-3'(CDEI box). Inhibits trypsin, chymotrypsin, plasmin, factor XIA and plasma and glandular kallikrein (By similarity). Modulates the Cu/Zn nitric oxide-catalyzed autodegradation of GPC1 heparan sulfate side chains in fibroblasts. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks two alternate in-frame exons compared to variant 4. The resulting isoform (c) has the same N- and C-termini but is shorter compared to isoform d.</p>