

Product datasheet for **MC220640**

Aplp2 (NM_001102456) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aplp2 (NM_001102456) 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)



[View online »](#)

Fully Sequenced ORF: >MC220640 representing NM_001102456
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCACCGGGACCGCGGCCGCTGCGGCCACCGGCAAGCTTCTTGTCTGTCTGCTGCTCGGGCTCA
 CGGCGCCCGCTGCGGCTCTGGCTGGCTACATAGAGGCTCTTGCAGCCAATGCTGGAACAGGCTTCGCTGT
 TGCTGAGCCTCAGATTGCGATGTTCTGTGGGAAGCTGAATATGCATGTGAACATTCAGACTGGCAAATGG
 GAGCCTGACCCAACAGGCACCAAGAGCTGCCTTGAACAAAGGAGGAGGTTCTTCAGTACTGCCAGGAGA
 TATATCCAGAGCTGCAGATCACAAATGTGATGGAAGCAAACCAGCCAGTCAATATTGATAGTTGGTGCCG
 AAGGGACAAAAGGCAGTGAAGAGTACATTGTTATACCATTCAAGTGTCTTGTGGGTGAATTTGTAAGT
 GATGTCCTGCTAGTTCAGATAACTGCCAGTTTTCCACCAAGAGCGGATGGAGGTGTGTGAGAAGCACC
 AGCGCTGGCACACGTTAGTCAAGGAGGCATGTCTGACTGAGGGGTGACCTTATATAGCTATGGCATGCT
 GCTGCCCTGCGGGGTAGACCAGTCCATGGCACCAGATATGTGTCTGCCCTCAGACAAAGACTGTTGAC
 TCGGACTCGACTATGTCCAAAGAAGAGGAGGAAGAGGAAGAGGATGAAGAGGACGAAGAGGAAGACTATG
 ATCTTGATAAAAAGTGAATTTCTACTGAAGCAGATTTGGAAGACTTCACAGAAGCAGCAGAGATGAGGA
 AGAAGAGGATGAGGAGGAAGGGGAGGAAGTGGTGAAGACCGTACTACTACTATGACCCCTTTAAAGGA
 GACGATTACAATGAGGAGAAATCCAACCGAACCCAGCAGCGAGGGCACCATTTAGACAAGGAGATTGTTTC
 ACGATGTTAAAGTTCCTCCGACTCCCCTGCCAACCAATGATGTTGATGTGATTTTGGAGCCTCAGCGGA
 TGATAATGAGCACGCCGCTTCCAGAAGCTAAGGAACAGCTGGAATTCGACATCGAAACCGAATGGAC
 AGGGTAAAGAAGGAATGGGAAGAGGCAGAACTTCAAGCCAAGAACCTCCCAAGACAGAAAGACAGACCC
 TCATCCAGCATTTCGAAGCTATGGTTAAAGCTTTAGAGAAAGAAGCAGCCAGTGAGAAGCAGCAGCTTGT
 GGAAACCCATCTGGCCCGAGTAGAAGCCATGCTGAATGACCGCCGACGCATAGCTCTGAAAATTACCTG
 GCTGCCCTGCAGTCTGACCCACCTCGGCCACATCGCATTCTTCAAGCTCTTCGTCGTTACGTCCGTGCTG
 AGAACAAAGATCGCTGCATACCATTCTGTCATTACCAACACGTGTTGGCTGTTGACCCAGAAAAGGCCGC
 CCAGATGAAATCCAGGTGATGACACACCTCCATGTGATTGAAGAAAGAAGGAACCAAAGTCTTTCTCTT
 CTGTACAAAGTTCCTTATGTTGCTCAAGAAATCAAGAGGAAATGATGAGCTCCTTCAGGAACAGCGAG
 CGGATATGGACCAATTTACCTCCTCCATCTCAGAGAACCCTGTGGATGTCCGGGTGAGCTCTGAGGAGAG
 TGAGGAGATCCCAGGTTCCACCCTCTCCATCCCTTCCATCCTTGTCTGAGAATGAAGACTCAGCCC
 GAGTTGTACCACCAATGAAAAAGGCTCTGGAATGGCAGAACAAGACGGGGGACTGATTGTTGCAGAAG
 AAAAAAGTATTAACAGCAAGAATAAAATGGATGAAATATGGTCATTGACGAGACTCTGGATGTTAAGGA
 AATGATTTTCAATGCTGAGAGAGTTGGAGGCTTGGAGGAGCCGGAATCGGTGGGACCTTTAAGGGAG
 GATTTTCAGTTTGGAGCAATGCCCTTATTGGCTTGTGGTTATCGCAGTGGCCATTGCTACGGTATCG
 TTATCAGCCTGGTATGCTGAGGAAGAGGCAGTACGGCACCATCAGCCACGGGATTTGGAGGTTGACCC
 AATGCTCACCCAGAGAGCGTCACTGAACAAGATGCAGAACCATGGTTATGAAAACCCAACTACAAA
 TACCTGGAGCAGATGCAGATT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001102456

Insert Size: 2124 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:	<ol style="list-style-type: none">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:	<u>NM_001102456.1</u> , <u>NP_001095926.1</u>
RefSeq Size:	3526 bp
RefSeq ORF:	2124 bp
Locus ID:	11804
UniProt ID:	<u>Q06335</u>
Cytogenetics:	9 16.66 cM
Gene Summary:	<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 (2) lacks an alternate in-frame exon compared to variant 4. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform d.</p>