

Product datasheet for **MG210097**

Aplp2 (NM_009691) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aplp2 (NM_009691) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Aplp2
Synonyms:	A1790698; APLP-2; CDEBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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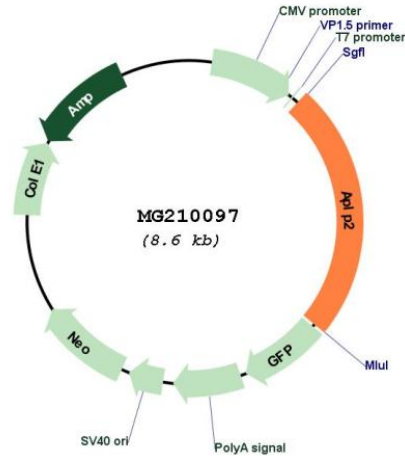
ORF Nucleotide
Sequence:

>MG210097 representing NM_009691
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCGGCCACCGGGACCGCGGCCGCTGCGGCCACCGGCAAGCTTCTTGTCTGTCTGCTGCTCGGGCTCA
CGGCGCCCGCTGCGGCTCTGGCTGGCTACATAGAGGCTCTTGCAGCCAATGCTGGAACAGGCTTCGCTGT
TGCTGAGCCTCAGATTGCGATGTTCTGTGGGAAGCTGAATATGCATGTGAACATTCAGACTGGCAAATGG
GAGCCTGACCCAACAGGCACCAAGAGCTGCCTTGAACAAAGGAGGAGGTTCTTCAGTACTGCCAGGAGA
TATATCCAGAGCTGCAGATCACAAATGTGATGGAAGCAAACCAGCCAGTCAATATTGATAGTTGGTGCCG
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GCTGCCCTGCGGGTAGACCAGTTCATGGCACCAGTATGTGTGCTGCCCTCAGACAAAGACTGTTGAC
TCGGACTCGACTATGTCCAAAGAAGAGGAGGAAGAGGAAGAGGATGAAGAGGACGAAGAGGAAGACTATG
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GACGATTACAATGAGGAGAAATCCAACCGAACCCAGCAGCGAGGGCACCATTTAGACAAGGAGATTGTTT
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CTGTACAAAGTTCCTTATGTTGCTCAAGAAATCAAGAGGAAATGATGAGCTCCTTCAGGAACAGCGAG
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TGAGGAGATCCCAGGTTCCACCCTCTCCATCCCTTCTATCCTTGTCTGAGAATGAAGGCTCTGGAATG
GCAGAACAAGACGGGGACTGATTGGTGCAGAAGAAAAGTGATTAACAGCAAGAATAAAATGGATGAAA
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GGAAGAGCCGGAATCGGTGGGACCTTTAAGGGAGGATTTAGTTTGAAGCAGCAATGCCCTTATTGGCTTG
CTGTTATCGCAGTGGCCATTGTACGGTCATCGTTATCAGCCTGGTGTGCTGAGGAAGAGGCAGTACG
GCACCATCAGCCACGGGATTGTGGAGGTTGACCAATGCTCACCCAGAAGAGCGTCACCTGAACAAGAT
GCAGAACCATGGTTATGAAAACCAACCTACAAATACCTGGAGCAGATGCAGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Plasmid Map:


ACCN: NM_009691

ORF Size: 2085 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_009691.2](#), [NP_033821.1](#)

RefSeq Size: 3490 bp

RefSeq ORF: 2088 bp

Locus ID: 11804

Cytogenetics: 9 16.66 cM

Gene Summary: 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]