

## Product datasheet for **MC204541**

### **Aplp1 (NM\_007467) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aplp1 (NM_007467) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aplp1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC021877  
 GGAGGCGGCGGTGGCGCTGGGAGCTCCTGTACCAGCTGGGGCCGGGTAGGGCCGGGCGGGAGCGCAGGGG  
 ACGTGAGGGCCCGAGGCCCGGACATGGGGCCACCAGCCCGCCGCTCGCGGTACAGGTGCGCGCTGGCG  
 ACCGCCGCGCTGCCGCTGTTGCTGCCACTGTCAATTGCTGCTTCTGCGCGGCAGCTCGCCGTGGGAAC  
 CTGGCTGTTGGGAGCCCCAGCGCGGCGAGGCTCCGGGTGCGCTCAAGTGGCTGGACTATGTGGGCGTC  
 TAACCTTCACCGGGACCTGCGCACCGGCCGCTGGGAACCAGACCCACAGCGATCAGCAGCTGTCTTCT  
 GGACCCCGCAGCGCTGCTGGAGTACTGCAGACAGATGTACCCCGAGCTGCACATAGCACGCGTGGAGCAG  
 GCTGCACAGGCCATCCCGATGGAGCGCTGGTGTGGGGTACCCGAGTGGCAGATGCGCCACCCACC  
 ATGAGGTTGTGCCCTTCCATTGCCTGCCTGGCGAATTCGTGAGTGAAGCCCTGCTAGTGCCTGAAGGCTG  
 TCGGTTCTGCACCAGGAGCGTATGGACCAGTGTGAGAGTTCAACCAGGAGGCATCAGGAGGCTCAGGAG  
 GCCTGCAGCTCTCAGGGCCTCATCTGCATGGCTCTGGCATGCTTTTGCCTGTGGCTCTGATCGGTTCC  
 GAGGTGTGGAGTATGTATGCTGTCCACCTCTGCAACTCCAACCCATCTGGGATGGCAGCTGGTGACCC  
 CTCTACCCGGTCTGGCCCTGGGGGCGAGCAGAGGGAGGTGAGGATGAAGAGGAGGTGGAATCTTTC  
 CCTCAGCCAGTAGACGATTACTTCGTAGAGCCCCCTCAGGCTGAAGAAGAAGAGGAAGAGGAGGAAGAAA  
 GGGCCCCACCTCCAGCTCCACACCCCTGTCATGGTTAGCAGAGTCACTCCACCCCAAGGCTACTGA  
 TGGTGTGGATGTTTACTTTGGCATGCCTGGGAAATCGGCGAGCATGAGGTTTTCTGAGGGCCAAGATG  
 GACCTGGAGGAGCGTAGGATGCGCCAGATTAATGAGGTGATGCGTGAATGGGCCATGGCTGACAGCCAAT  
 CTAAGAACCTGCCAAAGGCGGACAGGCAGGCCCTGAATGAGCACTTCCAGTCCATTCTGCAGACCCTGGA  
 AGAACAAAGTGTCTGGTGAACGGCAACGCCTGGTGGAGACCCACGCCACCAGATCATCGCTCTGATCAAC  
 GACCAGCGCCGAGCAGCCCTGGAAGTTTCTGGCAGCCTTACAGGGCGATCCGCTCAGGCTGAGCGAG  
 TTCTGATGGCCCTGAGGCGCTACCTGCGCGCCGAGCAGAAAGAGCAGAGGCACACTCTGAGGCACTACCA  
 GCACGTGGCCGCAAGTGAATCAGAGCCTGGGGCTGCTCGACCAGAACCCTCACCTGGCTCAGGAGCTGCGGC  
 CACAGATCCAGGAGCTTCTCCTTGTGAACACTTGGGTCCCAGTGAACCTGGACGCTCTGTGCCCGGGAG  
 CAGCAGTGAAGCAAAGGTAGCCTCCAGCCTCCGAATCCAAGGACGATCCCCAGTGACCTTCCAAAA  
 GGGTCCACAGATCAAGAGTATCCTCTCTGGGAGAGAGAAGCTAACTCCACTGGAGCAGTATGAGCAAA  
 AGGTGAATGCATCCGCCCGAGGGGTTTCCCTTCCACTCGTCAGATATCCAGCGGGATGAACCTGGCTCC  
 TCCGGGACTGGAGTGTCCCGAGAGGCCTTGTGAGGCTGCTGATCATGGGAGCTGGAGGAGGCTCCCTC  
 ATTGCTCTATCCTTGCTGCTTCTGCGCAAGAAGAAACCCTATGGGACTATCAGCCATGGAGTGGTGGAGG  
 TGGACCCATGCTGACCCTGGAGGAGCAGCAGCTCCGGGAACCTCAGAGGCATGGCTATGAGAACCCAC  
 CTACCGCTTCTGGAAGAACGACCTTGACCCTACCCTAGCTGCCTTCACTGAGCCCTACTGCCCTTCT  
 TCCGGCCCCCAACCCAACTCCAGCTTCCGGTGGGGGAGGGAGATCTTGACAAATTCATTCTGTGTTT  
 CCCTTCTAGTTCCAAATTCACACCCCTTGAATAATCCCAAGCTCCTGTCCCAAAAGGACCTCTTACCT  
 TAATTTATTTTACGTTAATTTATTGCTCCTTAAGGTGACCTGGGTCCCAGGTATGTATGTCACTCCCTGG  
 AATTCACCATCCACGTTTCTTCACTAACATCCCAATAAAGTCTCTTCCACCCGGCAAAAAAAAAAAAAA AAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_007467

**Insert Size:** 1965 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:** [BC021877](#), [AAH21877](#)

**RefSeq Size:** 2389 bp

**RefSeq ORF:** 1965 bp

**Locus ID:** 11803

**UniProt ID:** [Q03157](#)

**Cytogenetics:** 7 18.32 cM

**Gene Summary:** May play a role in postsynaptic function. The C-terminal gamma-secretase processed fragment, ALID1, activates transcription activation through APBB1 (Fe65) binding. Couples to JIP signal transduction through C-terminal binding. May interact with cellular G-protein signaling pathways. Can regulate neurite outgrowth through binding to components of the extracellular matrix such as heparin and collagen I.[UniProtKB/Swiss-Prot Function]