

Product datasheet for **MR209792**

Aplp1 (NM_007467) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aplp1 (NM_007467) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aplp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209792 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCCACCAGCCCCGCGCTCGCGGTGAGGGTGCCTGGCGACCGCCGCGCTGCCGCTGTTGC
 TGCCACTGTATTGCTGCTTCTGCGCGCGCAGCTCGCCGTCGGGAACCTGGCTGTTGGGAGCCCCAGCGC
 GGCCGAGGCTCCGGGGTTCGCTCAAGTGGCTGGACTATGTGGGCTTAACCCCTCACCGGGACCTGCGC
 ACCGGCCGCTGGGAACAGACCCACAGCGATCACGACGCTGTCTTCTGGACCCGACGCGCTGCTGGAGT
 ACTGCAGACAGATGTACCCGAGCTGCACATAGCACGCGTGGAGCAGGCTGCACAGGCCATCCCGATGGA
 GCGCTGGTGTGGGGTACCCGGAGTGGCAGATGCGCCACCCACCACATGAGGTTGTGCCCTTCCATTGC
 CTGCTGGCGAATTCGTGAGTGAAGCCCTGCTAGTGCCCGAAGGCTGTCGTTCTTGACCAGGAGCGTA
 TGGACCAGTGTGAGAGTTCAACCAGGAGGCATCAGGAGGCTCAGGAGGCTGCAGCTCTCAGGGCCTCAT
 CCTGCATGGCTCTGGCATGCTTTGCCCTGTGGCTCTGATCGGTTCCGAGGTGTGGAGTATGTATGCTGT
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 CGTAGAGCCCCCTCAGGCTGAAGAAGAAGAGGAAGAGGAGGAAGAAAGGGCCCCACCTCCAGCTCCAC
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 TGCTGGGGAAATCGGCGAGCATGAGGGTTTCTGAGGGCCAAGATGGACCTGGAGGAGCGTAGGATGCG
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 GAGCAGCAGCTCCGGAACTTCAGAGGCATGGCTATGAGAACCCACCTACCGCTTCTGGAAGAACGAC
 CT

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209792 protein sequence
Red=Cloning site Green=Tags(s)

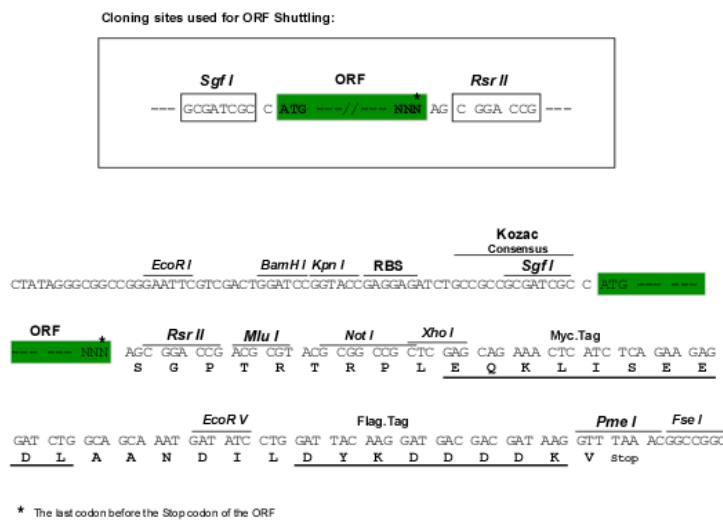
MGPTSPAARGQRRWRPPLPLLLPLSLLLRAQLAVGNLAVGSPSAEAPGSAQVAGLCGRLLHRDLR
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 LPGEFVSEALLVPEGCRFLHQERMDQCESSTRRHQEAQEACSSQGLILHGSGMLLPCGSDRFRGVEYVCC
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 TPVMVSRVTPTPRPTDGVVYFGMPGEIGEHEGFLRAKMDLEERRMRQINEVMREWAMADSQSKNLPKAD
 RQALNEHFQSILQTLLEEQVSGERQRLVETHATRVIALINDQRRAALEGFLAALQGDPPQAERVLMLRRY
 LRAEQKEQRHLRHYQHVAAVDPEKAQQMRQVQVTHLQVIEERMNQLGLLDQNPHLAQELRPQIQELLL
 AEHLGPSELDASVPGSSSEDKGSLQPPEKDDPPVTLPGKSTQESSSSGREKLTPLEQYEQKVNASAPR
 GFPFHSSDIQRDELAPSGTGVSRREALSGLLIMGAGGSLIVLSLLLLRKKKPYGTISHGVVEVDPMLTLE
 EQQLRELQRHGYENPTYRFLEERP

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_007467

ORF Size: 1965 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_007467.3](#)

RefSeq Size: 2408 bp

RefSeq ORF: 1965 bp

Locus ID: 11803

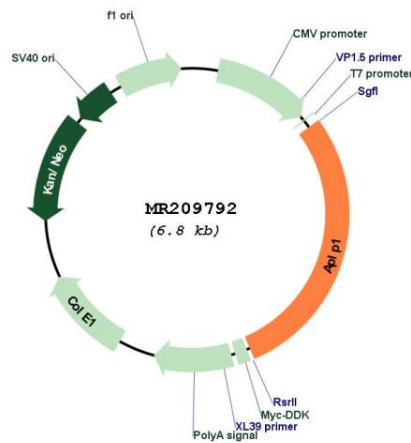
UniProt ID: [Q03157](#)

Cytogenetics: 7 18.32 cM

MW: 72.8 kDa

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]

Product images:



Circular map for MR209792