

Product datasheet for **RN209146**

Aplp1 (NM_001100802) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aplp1 (NM_001100802) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aplp1
Synonyms:	Aplp1_retired; RGD1561211
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209146 representing NM_001100802
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCCCTCCAGCCCCACCACTCGCGGTGAGGGTCCGCCGCGGGGCCCGCCGCTGCCGCTGTTGC
 TACCACTGTCGCTGCTGCTTCTGCGCGCGCAGCTCGCCGTCGGAACCTGGCTGGTGGGAGCCCCAGCGC
 GGCCGAGGCTCCGGGGTCCGCTCAAGTGGCTGGACTATGTGGCGCTCACCCCTCACCGAGACCTGCGC
 ACCGGCCGCTGGGAACCAGACCCACAGCGATCACGACGCTGCTTCTGGACCCGAGCGCGTGTGGAGT
 ACTGCAGACAGATGTACCCAGAGCTGCACATAGCTCGTGTGGAGCAGGCTGCACAGGCCATCCCGATGGA
 GCGCTGGTGTGGGGTACCCGAAGTGGCAGATGTGCCACCCCCACCATGAGGTTGTGCCCTTCCATTGC
 CTGCTGGCGAATTCGTGAGTGAAGCCCTGCTGGTCCCCGAAGGCTGTAGGTTCTGCACCAGGAGCGAA
 TGGACCAATGTGAGAGTCAACCAGGAGCACCAGGAGGCTCAAGAGGCTGCAGCTCCAGGGCCCTCAT
 CCTGCACGGTTCTGGTATGCTTTTGCCTGTGGCTCTGATCGGTTCCGAGGTGTGGAGTATGTATGCTGT
 CCACCTCCCGCAACTCCCAACCCATCTGGGATGGCAGTTGGTGACCCCTCTACCCGGTCTGGCCCTGG
 GGGCAGAGCAGAGGGAGGTGAGGATGAAGAGGAGGTGGAATCCTTCCCTCAGCCAGTAGACGATTACTT
 CGTAGAGCCCCCTCAGGCCGAAGAAGAAGAGGAAGAAGAGGAGGAAAGGGCCCCACCTCCAGCTCCAC
 ACCCTGTGATGGTCCAGCAGAGTCACTCCACCCCGAGACCCACTGATGGTGTGGATGTTTACTTTGGCA
 TGCTGGGGAGATCAGCGAGCACGAGGGTTTCTGAGGGCCAAGTGGACCTGGAGGAACGTAGGATGCG
 TCAGATTAATGAGGTGATGCGTGAGTGGCCATGGCTGACAGCCAATCTAAGAACCTGCCAAAAGCCGAC
 AGGCAGGCCCTGAATGAGCACTTCCAGTCCATTCTGCAGACCTGGAAGAACAAGTGTCTGGTGGCGAC
 AGCGCTGGTGGAGACCCACGCCACAGAGTCACTCGCTCTGATCAACGACCAGCGCCGAGCTGCCCTGGA
 AGGTTTCTGGCAGCATTACAGGGCGATCCGCCTCAGGCTGAGAGAGTTCTGATGGCCCTGAGGCGCTAC
 CTGCGAGCGGAGCAGAAGGAGCAGAGGCACACCCTGAGGCACTACCAGCACGTTGGCCGCGTGGACCCTG
 AGAAGGCCAGCAGATGCGCTTTCAGGTCCAGACCCACCTTCCAGTGGTCAAGAACGAATGAATCAGAG
 CCTGGGGCTGCTCGACCAGAACCCTCACCTGGCTCAGGAGCTGCGGCCACAGATCCAGGAGCTTCTCCAT
 GCGGAACACTTGGGACCTAGTGAAGTGGAAAGCCTCTGTGCCCGGAGCAGCAGTGGAGACAAAGTGGCC
 CAGTGACCCTTCCAAAAGGTCCACAGATCAAGAGTCTTCTCCTCTGGGAGAGAGAAGTAACCCCACT
 GGAGCAATATGAGCAAAAGGTGAATGCATCTGCCCAAGGGGTTTCCCTTCCACTCATCAGATATTCAG
 CGGGATGAACTGGCACCAGCTGGGACTGGAGTGTCCCAGAGGCCTTGTGAGGCTGCTGATCATGGGAG
 CTGGAGGAGGCTCCCTCATTGTCTATCCTTGCTGCTTCTGCGCAAGAAGAAACCCTATGGCACTATCAG
 CCATGGAGTGGTGGAGGTGGACCCATGCTGACCTGGAGGAGCAGCAGTCCGGGAACCTCAGAGGCAT
 GGCTATGAGAACCCACCTACCGCTTCTGGAAGAACGACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001100802

Insert Size: 1935 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: [NM_001100802.1](#), [NP_001094272.1](#)

RefSeq Size: 2296 bp

RefSeq ORF: 1935 bp

Locus ID: 502317

Cytogenetics: 1q21

Gene Summary: interacts with Fe65 and Fe65L2, members of a family of proteins that bind beta-amyloid precursor protein [RGD, Feb 2006]