

## Product datasheet for **SC302299**

### APLP1 (NM\_001024807) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	APLP1 (NM_001024807) Human Untagged Clone
Tag:	Tag Free
Symbol:	APLP1
Synonyms:	APLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

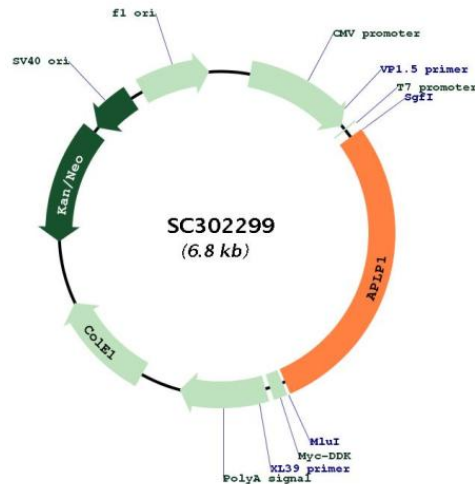


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Fully Sequenced ORF: >SC302299 representing NM\_001024807.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGGCCCGCCAGCCCCGCTGCTCGCGTCTAAGTCGCCCGCCGGGCCAGCCCGCTGCCGCTGCTG
CTGCCACTATTGCTGCTGCTTCTGCGCGCCAGCCCGCCATCGGGAGCCTGGCCGGTGGAGCCCCGGC
CGGGCCGAGGCCCGGGTCCGGCCAGGTGGCTGGACTATGCGGGCGCCTAACCCCTCACGGGACCTG
CGCACCGCCGCTGGGAACAGACCCACAGCGCTCTCGACGCTGTCTCCGGGACCCGACGCGTGTG
GAGTACTGCAGACAGATGTACCCGGAGCTGCAGATTGCACGTGTGGAGCAGGCTACGCAGGCCATCCCC
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CGCTGCCTGCCTGGTGAATTTGTGAGTGAGGCCCTGCTGGTGCCTGAAGGCTGCCGGTCTTGCACCAG
GAGCGCATGGACCAATGTGAGAGTTCAACCCGGAGGCATCAGGAGGCACAGGAGGCTGCAGCTCCCAG
GGCCTCATCTGCACGGCTCGGGCATGCTTACCCTGTGGCTCGGATCGGTTCCGTGGTGTGGAGTAT
GTGTGCTGTCCCCTCCAGGGACCCCGACCCATCTGGGACAGCAGTTGGTGACCCCTCCACCCGGTCC
TGGCCCCCGGGAGCAGAGTAGAGGGGGCTGAGGACGAGGAAGAGGAGGAATCCTCCCACAGCCAGTA
GATGATTACTTCGTGGAGCCTCCGACGGCTGAAGAGGAAGAGGAAACGGTCCCACCCCAAGCTCCCAT
ACACTTGCACTGGTCCGCAAGTCACTCCACCCCGAGGCCACAGACGGTGTGGATATTTACTTTGGC
ATGCTGGGAAATCAGTGAGCAGGAGGGTCCCTGAGGGCAAGATGGACCTGGAGGAGCGTAGGATG
CGCCAGATTAATGAGGTGATGCGTGAATGGGCCATGGCAGACAACCAGTCCAAGAACCCTGCCTAAAGCC
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CGACAGCGCTGGTGGAAACCCAGCCACCCGCTCATCGCCCTATCAACGACCAGCGCCGGCTGCC
TTGGAGGGCTTCCCTGGCAGCCCTGCAGGCAGATCCGCTCAGGGGAGCGTGTCTGTTGGCCCTGCCG
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GATCCCAGAAAGGCACAGCAGATGCGCTTCCAGGTGCATACCCACCTTCAAGTATTGAGGAGAGGGTG
AATCAGAGCCTGGGCTGCTTGACCAGAACCCACCTGGCTCAGGAGCTGCGGCCCAAATCCAGGAA
CTCCTCCACTCTGAACACCTGGTCCCAGTGAATTGGAAGCCCTGCCCTGGGGCAGCAGCGAGGAC
AAGGGTGGGCTGCAGCCTCCAGATTCCAAGGATGCAGACACCCCATGACCCTTCCAAAAGGGTCCACA
GAACAAGATGCTGCATCCCCTGAGAAAGAGAAGATGAACCCGCTGGAACAGTATGAGCGAAAGGTGAAT
GCGTCTGTTCAAAGGGTTTCCCTTCCACTCATCGGAGATTGAGAGGATGAGCTGGCACCAGCTGGG
ACAGGGGTGTCCCGTGGGCTGTGTCGGTCTGCTGATCATGGGAGCGGGCGGAGGCTCCCTCATGTC
CTCTCCATGCTGCTCCTGCGCAGGAAGAAGCCCTACGGGGCTATCAGCCATGGCGTGGTGGAGGTGGAC
CCCATGCTGACCCTGGAGGAGCAGCAGTCCGCGAACTGCAGCGGCACGGCTATGAGAACCCCACTTAC
CGCTTCTGGAGGAACGACCCCGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001024807

**Insert Size:** 1956 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001024807.2](#)

**RefSeq Size:** 2517 bp

**RefSeq ORF:** 1956 bp

**Locus ID:** 333

**UniProt ID:** [P51693](#)

**Cytogenetics:** 19q13.12

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 72.2 kDa

**Gene Summary:** This gene encodes a member of the highly conserved amyloid precursor protein gene family. The encoded protein is a membrane-associated glycoprotein that is cleaved by secretases in a manner similar to amyloid beta A4 precursor protein cleavage. This cleavage liberates an intracellular cytoplasmic fragment that may act as a transcriptional activator. The encoded protein may also play a role in synaptic maturation during cortical development. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).