

Product datasheet for **SC105047**

AP1M1 (NM_032493) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP1M1 (NM_032493) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP1M1
Synonyms:	AP47; CLAPM2; CLTNM; MU-1A; mu1A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032493, the custom clone sequence may differ by one or more nucleotides

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ATGTCCGCCAGCGCCGTCTACGTGCTGGACCTGAAGGGCAAGGTGCTCATCTGCCGGAACCTACCGTGGCG
ACGTGGACATGTCAGAGGTGGAGCACTTCATGCCATCCTGATGGAGAAGGAGGAGGGGATGCTGTC
GCCCATCTGGCCACGGGGGGTCCGTTTCATGTGGATCAAACACAACAACCTGTATCTGGTTGCCACA
TCCAAGAAGAACGCGTGCCTGCTGCTGTTTCTTTCTCTATAAGGTGGTGCAGGTGTTTTCCGAGT
ACTTCAAGGAGCTGGAGGAGGAGCATCCGGGACAACCTTGTATCATCTACGAGCTGCTGGACGAGCT
CATGGACTTCGGCTACCCCGAGACCACCGACAGCAAGATCCTGCAGGAGTACATCACTCAGGAAGGCCAC
AAGCTGGAACAGGGGCCCGCGGCCACCAGCCACCGTCACCAACGCGGTGCTCTGGCGGTCCGAAGGCA
TCAAGTATCGGAAGAATGAGGTGTTCTTGACGTCATCGAGTCTGTCAACCTCTTGGTCAGCGCCAACGG
CAATGTCTCGCAGCGAGATCGTGGGCTCCATCAAGATGCGAGTCTTCTCTCGGGCATGCCCGAGCTG
CGCCTGGGCTCAACGACAAGGTCTCTTTGACAACACGGGCCGCGGCAAAAGCAAAATCCGTGGAGCTGG
AGGATGTGAAGTCCACCAGTGTGTGCGGCTATCACGCTTCGAGAATGACCGCACCATCTCCTTCATCCC
ACCCGACGGCGAGTTCGAGCTCATGTCTACCGTCTCAACACCCACGTCAAGCCTTTGATATGGATCGAG
TCGGTGATCGAGAAGCACTCCCACAGCCGATCGAGTACATGATCAAGGCCAAAAGCCAGTTCAGCGGC
GGTCAACAGCCAACAACGTGGAGATCCACATTCCTGTCGCAATGATGCCGACTCACCAAGTTCAGAGC
GACGGTGGGAGCGTTAAGTGGTCCCGGAGAACAGCGAGATCGTGTGGTCCATCAAGTCTTCCCGGGC
GGCAAGGAGTACCTGATCGGGGCCACTTCGGCTGCCTAGTGTGGAGGCCGAAGCAAGGAGGGCAAGC
CCCCGATCAGTGTCAAGTTCGAGATCCCTTACTTCACTACCTCCGGCATCCAGGTGCGCTACCTGAAGAT
CATTGAGAAGAGTGGGTACCAGGCCCTGCCCTGGGTGCGTTATATCACGCAGAATGGAGATTACCAGCTC
CGGACCCAGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032493 unedited
 NGTCAACATTTGTATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCGGCCT
 TGCTCAACGCCAGCAGTCCCCACCGTCGCTGCCGCCGCCACCGCCCTCGGCCGTGCCG
 AGGCCTCTGCAGCCATCATGTCCGCCAGCGCCGTCTACGTGCTGGACCTGAAGGGCAAG
 GTGCTCATCTGCCGGAACACCGTGGCGACGTGGACATGTCAGAGGTGGAGCACTTCATG
 CCCATCCTGATGGAGAAGGAGGAGGGGATGCTGTCGCCATCCTGGCCACGGGGGG
 GTCGCTTTTCATGTGGATCAAACACAACAACCTGTATCTGGTTGCCACATCCAAGAAGAAC
 GCGTGCCTGTCGCTGGTCTTTTCTTTCTCTATAAGGTGGTGCAGGTGTTTTCCGAGTAC
 TTCAAGGAGCTGGAGGAGGAGAGCATCCGGGACAACCTTTGTTATCATCTACGAGCTGCTG
 GACGAGCTCATGGACTTCGGCTACCCCCAGACCACCGACAGCAAGATCCTGCAGGAGTAC
 ATCACTCAGGAAGGCCACAAGCTGGAAACAGGGGCCCGCGGCCACCAGCCACCGTCACC
 AACCGGGTGTCTGGCGTCCGAAGGCATCAAGTATCCGGAGAATGAGGTGTTCTTGGAC
 GTCATCGAGTCTGTCAACCTCTTGGTCAGCGCCAACGGCAATGTCCTGCGCAGCGAGATC
 GTGGGCTCCATCAAGATGCGAGTCTTCTCTCGGGCATGCCGAGCTGCGCCTGGGCCTC
 AACGACAGGTCTCTTTGACACACGGCCCGCGCAATACAATCCGTGGAGCTGGAGATGG
 GTAATTCACCAGGGGGCGGGTATCACGCTTCAAATGACCGACCATCTCCTTATCCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032493 unedited
 TTATCTCTGGACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTCAA
 TGAATGGAATTTAATGTAACATGACATAAACACACACAGGGTGGGNGAGGACGGGTGAC
 CAAGCGCAGACGTGGGTGACACGTGGCCCCGCTCTCTGGACCCTCAGTGGGAAAAAGTCT
 GAGGCTGGCGTCTCTACCAAACCCACCTCCCCTGGTGGTCAATACTGATCTGGCTGA
 GTGACAGCATCTCGTGACCCAGGCTGGCCCTGGGAAGGCCACAGGCGAGGCCTGCGAG
 TCCAGGGAGCAGGACAGCTACAGTGGCCCCGAGCGGCCAGGTGCCAGCCTGACAGT
 GTAATGGCCCGCTGCGGGCGCTGCTGGGAAGGAAGACAAGAAGGTGAGGGCTCGTCT
 CACCAAGTGCTTCTGAGTGCCGTAGGACGTGGGTGGGACATGGGGACAGTGAGGGTAAC
 ACAAACAGCAACGAATGCACAAAGACAAGTTCCAGGAACCCATAAAACCATAACGTTT
 AACAAAATGGCAACAAAACGACGCCCTGCTGGCTGGCGAGGCTGGCGCTTCTTCTG
 GCAGATGCCACCTGCAGCTGGCTGGCTGGCAAGCGTTGGCCAAGCTTTTTGGTACCTGG
 AGCTCAACAGCATAAAAAGGCTGTAACCTCTACACGGAAAAATTTACATCCTTTCCCTG
 AACTGACTTCAGGGGCAAAGAAACGAGACTTCTTTGAGACCAGCCTCTTCTGGGAAAGGG
 GCTTCTGAGACGAGTGTGACGGCAGAGCANATGGCCTGGGGAAGGCCAGGGTCCCCTGG
 CANAGCTGGNAGGNTGCCAGAGACCAGGAGGGCCCTCATCTGTGGGTTNGCAGTGTGT
 CCTGNTGCTGCACCANGACCCGAGCCGGGTGTGCT

Restriction Sites:

ECORI-NOT

ACCN:

NM_032493

Insert Size:

2350 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:	<ol style="list-style-type: none">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_032493.2 , NP_115882.1
RefSeq Size:	2297 bp
RefSeq ORF:	1272 bp
Locus ID:	8907
UniProt ID:	Q9BXS5
Cytogenetics:	19p13.11
Domains:	Adap_comp_sub
Protein Pathways:	Lysosome
Gene Summary:	<p>The protein encoded by this gene is the medium chain of the trans-Golgi network clathrin-associated protein complex AP-1. The other components of this complex are beta-prime-adaptin, gamma-adaptin, and the small chain AP1S1. This complex is located at the Golgi vesicle and links clathrin to receptors in coated vesicles. These vesicles are involved in endocytosis and Golgi processing. Alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks a coding exon in the middle region, as compared to variant 1. The reading frame is not affected and the resulting isoform (2) lacks an internal segment, as compared to isoform 1.</p>