

## Product datasheet for **SC323715**

### **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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_032493.2  
 CCCACGCGTCCGGTGAGCTGTCGCGGGCGGCCCGCCCTTGCTCAACGCCAGCAGTCC  
 CCACCGTCGCTGCCGCCGCCACCGCCCTCGGCCGCTGCCGAGGCCTCCTGCAGCCATCAT  
 GTCCGCCAGCGCCGTCTACGTGCTGGACCTGAAGGCAAGGTGCTCATCTGCCGGAATA  
 CCGTGGCAGCTGGACATGTCAGAGGTGGAGCACTTTCATGCCATCCTGATGGAGAAGGA  
 GGAGGAGGGGATGCTGTCGCCATCCTGGCCCACGGGGGGTCCGTTTCATGTGGATCAA  
 ACACAACAACCTGTATCTGGTTGCCACATCCAAGAAGAACGCGTGCCTGTCGCTCTT  
 TTCTTTCTCTATAAGGTGGTGCAGGTGTTTTCCGAGTACTTCAAGGAGCTGGAGGAGGA  
 GAGCATCCGGGACAACCTTTGTTATCATCTACGAGCTGCTGGACGAGCTCATGGACTTCGG  
 CTACCCCCAGACCACCGACAGCAAGATCCTGCAGGAGTACATCACTCAGGAAGGCCACAA  
 GCTGGAAACAGGGGCCCGCGGCCACCAGCCACCGTCACCAACGCGGTGCTCCTGGCGGTC  
 CGAAGGCATCAAGTATCGGAAGAATGAGGTGTTCTTGGACGTCATCGAGTCTGTCAACCT  
 CTTGGTCAGCGCCAACGGCAATGCTCCTGCGCAGCGAGATCGTGGGCTCCATCAAGATGCG  
 AGTCTTCTCTCGGGCATGCCGAGCTGCGCCTGGGCTCAACGACAAGGTCTCTTTGA  
 CAACACGGGCCGCGGCAAAGCAATCCGTGGAGCTGGAGGATGTGAAGTCCACCAGTG  
 TGTGCGGCTATACGCTTCGAGAATGACCGCACCATCTCCTTCATCCCACCCGACGGCGA  
 GTTCGAGCTCATGCTCTACCGTCTCAACACCCACGTCAAGCCTTTGATATGGATCGAGTC  
 GGTGATCGAGAAGCACTCCACAGCCGCATCGAGTACATGATCAAGGCCAAAAGCCAGTT  
 CAAGCGGCGGTCAACAGCCAACAACGTGGAGATCCACATTCCTGTCCTCAATGATGCCGA  
 CTCACCAAGTTCAAGACGACGGTGGGGAGCGTTAAGTGGTCCCGGAGAACAGCGAGAT  
 TGTGTGGTCCATCAAGTCTTCCCGGGCGCAAGGAGTACCTGATGCGGGCCACTTCGG  
 CCTGCCTAGTGTGAGGGCCGAAGACAAGGAGGGCAAGCCCCGATCAGTGTCAAGTTCGA  
 GATCCCTTACTTCACTACCTCCGGCATCCAGGTGCGCTACCTGAAGATCATTGAGAAGAG  
 TGGGTACCAGGCCCTGCCCTGGGTGCGTTATATCACGCAGAATGGAGATTACCAGTCCG  
 GACCCAGTGAGGGGCTGTCGACGCAACACCCCGCCTCGGGGCTCCTGGTGGCAGCACC  
 AGGGGACACACCTGCCAAACCCACCAGATGGAGGGGCCCTCCCTGGTCTCTGGCCACCT  
 CCCAGCCTCTGCCAGGGACCCCTGCCTTCCCCAGGCCATCTGCTCTGCCGTCGACACTC  
 GTCTCAGAAGCCCTTCCAGAAAGAGGCTGGTCTTCAAGAAAGTCTGTTTCTTTGCCCC  
 TGAAGTCAGTTTCAGGGGAAGGATGTGAAATTTTCCGTGTAGAGTTACAGCCTTTTAT  
 GCTGTTGAGCTCCAGGTACAAAAAGCTTGGCCAACGCTTGCCAGCCAGCCAGTGCAG  
 GTGGCATCTGCCAGGAAGGAGCCAGCCTCGCCAGGCCAGCAGGGGCGTCGTTTTGTT  
 GCCATTTTGTGAACGTTATGGGTTTATGGGTGTTCTGGAACCTGTCTTTGTGCATTCC  
 TTGCTGTTTGTGTTACCCCTCACTGTCCCATGTCCCACCCACGTCTACGGCACTCAGGA  
 AGCACTTGGTGGAGACGAGCCCTCACCTTCTTGTCTTCTTCCCAGCAGCGCCCGCAGC  
 GGGCCATTTACACGTCGAGGCTGGCACCTGGCGCGCTCGGGGGCCACTGTAGCGTCTGCC  
 TGCTCCCTGGACTCGCAGGCCTCGCCTGTGGCGCCTTCCCAGGGCCAGCCTGGGTACGA  
 GATGCTGTCACTCAGCCAGATCAGTATTGACCCACCAGGGGAGGTGGGGTTTGGTGAGAG  
 ACGCCAGCCTCAGACTTTTTCCACTGAGGGTCCAGAGAGCGGGCCACGTGTACCCAC  
 GTCTGCGCTTGGTCACCCGCTCTCCACCCCTGTGTGTGTTTATGTCATAGTTACATTAA  
 ATTCCATTCATTGAAAAAAAAAAAAAAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_032493

**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).

<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_032493.2</a> , <a href="#">NP_115882.1</a>
<b>RefSeq Size:</b>	2297 bp
<b>RefSeq ORF:</b>	1272 bp
<b>Locus ID:</b>	8907
<b>UniProt ID:</b>	<a href="#">Q9BXS5</a>
<b>Cytogenetics:</b>	19p13.11
<b>Domains:</b>	Adap_comp_sub
<b>Protein Pathways:</b>	Lysosome
<b>Gene Summary:</b>	<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>