

## Product datasheet for **MC227670**

### Ap2m1 (NM\_001302970) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ap2m1 (NM_001302970) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ap2m1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227670 representing NM_001302970 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCGGAGGCTTATTCATCTATAATCACAAGGGGGAGGTGCTTATCTCCCGGTCTACAGAGATGACA  
TCGGGAGGAATGCTGTGGATGCCTTCGGGTCAATGTCATTTCATGCACGGCAGGTGCGCAGCCCTGT  
CACAAACATCGCTCGCACCAGCTTCTCCATGTTAAGCGGTCCAACATCTGGCTGGCCGAGTCACCAAG  
CAGAATGTCAATGCTGCCATGGTCTTCAATTCCTCTACAAGATGTGTGATGTAATGGCTGCTTACTTTG  
GCAAAATCAGCGAGGAGAACATCAAGAACAATTTGTGCTCATATACGAGCTGCTGGATGAGATTCTGGA  
CTTTGGCTACCCACAGAAGTCCAGAGACAGGTGCACTGAAAACCTTCATCACCCAGCAGGGTATCAAGAGT  
CAGACGAAGGAAGAAGCAGTCCCAGATCACCAGCCAGGTGACCGGGCAGATTGGCTGGCGGCAGAAAGGCA  
TCAAGTATCGCCGGAATGAACTTCTCCTAGATGTTCTGGAGAGTGTGAACCTGCTTATGTCCACAGGG  
GCAGGTGCTGAGTGCCCATGTGTCAGGCCGGTGGTGTGAAGAGTTACCTGAGTGGCATGCCTGAGTGC  
AAGTTTGAATGAATGACAAGATTGTATAGAAAAGCAGGGCAAAGGCACAGCTGATGAAACAAGCAAGA  
GTGGTAAGCAGTCGATCGCCATTGATGACTGCACCTCCACCAGTGTGTGCGACTCAGCAAGTTTGACTC  
TGAGCGGAGCATCAGCTTCATCCCTCCCGAGGAGATTTGAACTCATGATACCGTACTACCAAGGAC  
ATCATCCTTCTTCCGGGTGATCCATTGGTGCGGGAGGTGGGGCCACCAAAGTGGAGGTCAAGTGG  
TCATCAAGTCCAAGTCAAGCCCTCACTTCTGGCCAGAAGATTGAGGTGAGGATCCCGACTCCATTGAA  
CACAAGCGGGGTACAGGTGATCTGCATGAAGGGGAAGGCCAAGTACAAGGCCAGCGAGAAGCCATTGTA  
TGGAAGATCAAGCGCATGGCAGGCATGAAGGAATCCAGATCAGCGCAGAGATTGAGTCTCTGCCACCA  
ACGATAAGAAGAAATGGGCTCGGCCCCCATTTCCATGAACCTTGGAGTGCATTCGCGCCTTCTGGCCT  
CAAGGTGCGCTACTTGAAGGTATTGAACCGAAGCTGAACACAGCGACCATGATGTCATCAATGGGTG  
CGATACATTGGCCGAGTGGCATTATGAAACCCGCTGC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001302970
<b>Insert Size:</b>	1302 bp
<b>OTI Disclaimer:</b>	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>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001302970.1</a></u> , <u><a href="#">NP_001289899.1</a></u>
<b>RefSeq Size:</b>	2931 bp
<b>RefSeq ORF:</b>	1302 bp
<b>Locus ID:</b>	11773
<b>Cytogenetics:</b>	16 A3
<b>Gene Summary:</b>	<p>This gene encodes the mu subunit of the clathrin adaptor protein complex AP-2. It mediates sorting of cargo proteins harboring Y-X-X-Phi motifs into clathrin-coated vesicles. Alternate splicing of this gene results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 2, 8 and 19. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>