

## Product datasheet for MC201133

### Ap4m1 (NM\_021392) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ap4m1 (NM\_021392) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ap4m1  
**Synonyms:** 4930443L05Rik; Ap4m4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC011174 sequence for NM\_021392  
CAAGGCGGGTGGGTTCAACTTTACCGTGTTCGTCTATCCTCCAGAACC GCCATGATTTCCCAGTTC  
TTCATTGTCTTCCAAGGGGATCCGCTCATCTATAAAGACTTCCGCGGGACAGTGGTGGTCGTGATG  
TGGCAGAGCTCTTCTACCGGAAGCTGACGGGACTGCCTGGAGCGAGTCCCGGTTGTCTGTATCACGG  
TGATCGTCATTTTATTACATCAGACACAGTGGGCTCTATTTGGTGGCCACAACCTTAGAAAACGTCTCT  
CCTTTAGCCTTTGAGCTGCTTTCCCGCTAGCCACTCTTTGGGTGACTACTGTGGCTCACTCAATG  
AGGAACCATCTCAGCAATGTGGCGTGTCTACGAACCTCGGATGAAGTGTGGATTATGGCTATGT  
GCAGACTACATCCACAGAAATGCTGAGGAACCTCATCAAACCTGAAGCTGTGGTCAGCAAGCCCTCAGC  
CTTTTGACCTCAGCAGTGTGGATTGTTCCGGGCAGAGACAGCAGAATAAAGTGGCCCAAGCAGCG  
CAGCCAGCCGCTGTCTGTCAGTCTGTTCTGACCAGAGCCAAAAGAATGAGGTGTTTTGGATGTGGT  
GGAGAGACTGTCTGACTGATTGCATCTAATGGCTCGTTGTTGAAGGTGGACGTCCAAGGAGAGATACGG  
CTCAAGAGCTTCCCTCCAGCGTTCTGAGATATGCATTGGCTTGACAGAAGAATTTGTGTTGGAAAGT  
CAGAACTGAGAGTTATGGGCCAGGGATTTCGAGTTGATGAGGTGTCATTCCATAGTTCTGTCAATCTAGA  
TGAGTTTGAGTCTCATCGGATCCTCCGCTGCAGCCACCTCAGGGCGAGCTGACTGTGATGAGATACCAG  
CTCTCTGATGACCTCCCTCACCCTCCCTTCCGGCTCTTTCCCTCTGTGACAGTGGGACCAAGGCTCAG  
GCCGGCTCCAGGTTTACCTGAAGTTACGGTGTGACCTGCCCAAGAGCCAAGCTCTCAACATTCATCT  
GCACCTTCCCCTGCCCGAGGGTTCATCAGCCTGTCTCAGGAACCTGAGCAGTCCAGATCAGAAGGCAGAG  
CTGGGAGAAGGAGCCCTTCACTGGGATCTGCCCCGGTACAAGGAGGCTCTCAACTCTCCGGCTTTTCC  
AGATGGATGTCCCTGGCTTGCAGGACTTCCCAACCATGGACCTTCTCCCTTGGGGTGGGCTCCTGCCAG  
CCTCTCCTTTGAACTCCCTCGGCACACATGCTCCGGTCTCCAGGTTTCGATTCTCAGACTGTCTTTAGT  
GCCTGTGGTAATGCCAATCCTCACAAGTGGGTTGACATCTAAGCCACAGCAACGCTACGTAATTCGGA  
TTTGAAGCTCCCAAGCAAGGATATGGACAGCAATGTGAGCAGGAGTTGAACAGGAAGAGGACATTTTC  
TTTGTGGCTTTGGACCTGGACAGGAAGTCCCACGGACCTTATGTGATGCGGGAGGCTCACAAACTTACA  
AATCCAACCTTTATTCTGAGGAACCTACTGTACAATATCTAAAAAGAAAGTCACTGGGGAAAAAAAAA  
AAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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ACCN:	NM_021392
Insert Size:	1350 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"><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>
RefSeq:	<a href="#">BC011174</a> , <a href="#">AAH11174</a>
RefSeq Size:	1627 bp
RefSeq ORF:	1350 bp
Locus ID:	11781
UniProt ID:	<a href="#">Q9JKC7</a>
Cytogenetics:	5 G2
Gene Summary:	Component of the adaptor protein complex 4 (AP-4). Adaptor protein complexes are vesicle coat components involved both in vesicle formation and cargo selection. They control the vesicular transport of proteins in different trafficking pathways. AP-4 forms a non clathrin-associated coat on vesicles departing the trans-Golgi network (TGN) and may be involved in the targeting of proteins from the trans-Golgi network (TGN) to the endosomal-lysosomal system (By similarity). It is also involved in protein sorting to the basolateral membrane in epithelial cells and the proper asymmetric localization of somatodendritic proteins in neurons (PubMed:18341993). Within AP-4, the mu-type subunit AP4M1 is directly involved in the recognition and binding of tyrosine-based sorting signals found in the cytoplasmic part of cargos. The adaptor protein complex 4 (AP-4) may also recognize other types of sorting signal (By similarity).[UniProtKB/Swiss-Prot Function]