

Product datasheet for **MC205598**

Ap1m1 (NM_007456) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap1m1 (NM_007456) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ap1m1
Synonyms:	AA408894; Adtm; Adtm1A; AP; AP47; Clt; Cltnm; mu1; mu1A; [m]1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003823
 CCGACGCGTGGGCGGACGCGTGGGCGAGACCTTCAAAGCCGCCATGTCCGCCAGCGCCGTCTACGTA
 GGATCTGAAGGGCAAGGTGCTCATCTGCAGGAACCTACCGTGGGGATGTGGACATGTCAGAGGTGGAGCAC
 TTCATGCCATTCTGATGGAGAAGGAGGAGGGGATGCTGTACCTATCTTGGCCATGGTGGCGTTC
 GTTTCATGTGGATTAAGCACAACAACCTGTACCTGGTCGCCACTTCAAAAAAGAATGCTTGTGTCACT
 GGTGTTCTCCTTCTACAAGTGGTACAGGTCTTCTCCGAGTACTTTAAGGAGTTGGAGGAGGAGAGC
 ATCCGAGACAACCTTGTATCATCTACGAGCTGCTAGATGAGCTCATGGACTTTGGCTACCCGAGACCA
 CTGACAGCAAGATCTTGCAGGAGTACATCACTCAGGAAGGCCACAAGCTGGAAACGGGGCCCTAGGCC
 CCCAGCCACAGTACCAATGCTGTGTCCTGGCGTTCAGAAGGCATCAAGTATCGGAAGAATGAAGTATTC
 CTGGATGTCATTGAGGCTGTTAACCTCTTGGTCAGTGCCAATGGCAACGTGCTGCGCAGTGAGATTGTGG
 GTTCCATCAAGATGCGGGTCTTCTCTCAGGCATGCCTGAGTTACGCCTGGGTCTCAATGACAAGGTCTC
 TTTGACAACACAGGCCGAGGGAAGAGCAAGTCAAGTGGAGCTGGAGGATGTGAAATTCACCAGTGTGTG
 CGGCTGTACGTTTTGAGAACGACCGCACTATCTCCTTATCCCACCCGACGGAGAGTTTGAACATGT
 CCTACCGCCTCAACACCCATGTGAAGCCTTTGATCTGGATTGAGTCCGTGATTGAGAAGCATTCCCACAG
 CCGCATTGAGTACATGGTCAAGGCCAAGAGCCAGTTCAAGAGGCGGTCAACAGCCAACAATGTAGAGATC
 CATATACAGTCCCAACGATGCTGATTACCCAAAGTTCAAGACTACAGTGGGGAGTGTCAAGTGGGTCC
 CTGAAAACAGTGAGATCGTGTGGTCCGTCAGTCTTTCCGGGTGGCAAGGAGTACCTGATGCGGGCCCA
 CTTTGGCCTTCCCAGTGTGGAAGCTGAAGACAAGGAGGGAAGCCCCCATCAGCGTCAAGTTTGTAGATC
 CCCTATTTCACTACCTCTGGCATCCAGGTGCGCTACCTGAAAATCATTGAGAAGAGTGGGTACCAGGCC
 TGCCCTGGGTACGATATATCACACAGAACGGAGATTATCAGTCCGGACCCAGTGAAGGCGCTCTGCCAC
 CAGCCCAGCCCACCTAGCCTCAGGGCACACCTGCCACACTCACCAAAAGTGAAGCTAGAGGGTGGCCCTG
 GACATGCAGCCACCCTCTCCTCAAGCCTGAGTGGACTCACACAGAACCCCTTCCCTGGTCCCATTCTGAT
 CCAGGGTGGGAAGGAAGGGCCTGCCAGCCTCCCCAGGGACAAGCCAGCTGGAGCTGTGCTCCTGTGCC
 TCATGACTGGCCACCCACCCTGTAGACGCCATCCCTGCCACCTCCGAAGCCTCCTTCTGTTGCCAT
 TTTGCTGAGCATGTTGGTCATTGTCTGTCATCTGTGGTGTCTGTCACCTTTCTTCAAGTGTCTGT
 GCAGCTGCCATGCTGCACTTAATGAGGGCAGCTGTCCCCTATCCATGCTGGTCTGTATGCCGGATAGTTG
 CTCTGCCTGGGCCGGCTGTGCCTCCCTTCCAGCCCTTGACCACATCAGTGTCTTCTCAGAAGGGCACAT
 GGCCTCAGCCTTTGCCCTAAAATTCCTGGGCAGGCACAGGCTACCCTCACTGTACAAGGCCTCGTTGTCC
 TGGACCCATGTGTGTGTGACAGTTATATTAATCCATTTGTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_007456

Insert Size: 1272 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:**
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: [BC003823](#), [AAH03823](#)

RefSeq Size: 1952 bp

RefSeq ORF: 1272 bp

Locus ID: 11767

UniProt ID: [P35585](#)

Cytogenetics: 8 34.92 cM

Gene Summary: This gene encodes the mu-1 subunit of the scaffolding adapter protein complex AP-1 and is a member of the mu adaptin family. The AP-1 complex, which consists of 4 subunits (mu-adaptin, beta-prime adaptin, gamma-adaptin, and the small chain adaptin), is one of the predominant coat proteins of membrane vesicles involved in eukaryotic post-Golgi trafficking. The AP-1 complex is located at the Golgi vesicle and links clathrin to receptors in coated vesicles. These vesicles are involved in endocytosis and Golgi processing. AP-1 complex subunit mu-1 and other mu-adaptins select cargo proteins bearing sequence-specific sorting motifs. [provided by RefSeq, Jul 2016]