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# Product datasheet for MR206935

## Ap2m1 (NM_009679) Mouse Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Ap2m1 (NM_009679) Mouse Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Ap2m1 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**ORF Nucleotide Sequence:**

>MR206935 representing NM_009679
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCGGAGGCTTATTCATCTATAATCACAAGGGGGAGGTGCTTATCTCCCGGGTCTACAGAGATGACA
TCGGGAGGAATGCTGTGGATGCCTTTCGGGTCAATGTCATTCATGCACGGCAGCAGGTGCGCAGCCCTGT
CACAAACATCGCTCGCACCAGCTTCTTCCATGTTAAGCGGTCCAACATCTGGCTGGCCGCAGTCACCAAG
CAGAATGTCAATGCTGCCATGGTCTTCGAATTCCTCTACAAGATGTGTGATGTAATGGCTGCTTACTTTG
GCAAAATCAGCGAGGAGAACATCAAGAACAATTTTGTGCTCATATACGAGCTGCTGGATGAGATTCTGGA
CTTTGGCTACCCACAGAACTCAGAGACAGGTGCACTGAAAACCTTCATCACCCAGCAGGGTATCAAGAGT
CAGCATCAGACGAAGGAAGAACAGTCCCAGATCACCAGCCAGGTGACCGGGCAGATTGGCTGGCGGCGAG
AAGGCATCAAGTATCGCCGGAATGAACTCTTCCTAGATGTTCTGGAGAGTGTGAACCTGCTTATGTCCCC
ACAGGGGCAGGTGCTGAGTGCCCATGTGTCAGGCCGGGTGGTGATGAAGAGTTACCTGAGTGGCATGCCT
GAGTGCAAGTTTGGAATGAATGACAAGATTGTCATAGAAAAGCAGGGCAAAGGCACAGCTGATGAAACAA
GCAAGAGTGGTAAGCAGTCGATCGCCATTGATGACTGCACCTTCCACCAGTGTGTGCGACTCAGCAAGTT
TGACTCTGAGCGGAGCATCAGCTTCATCCCTCCCGACGGAGAGTTTGAACTCATGAGATACCGTACTACC
AAGGACATCATCCTTCCTTTCCGGGTGATCCCATTGGTGCGGGAGGTGGGGCGCACCAAACTGGAGGTCA
AGGTGGTCATCAAGTCCAACTTCAAGCCCTCACTTCTGGCCCAGAAGATTGAGGTGAGGATCCCGACTCC
ATTGAACACAAGCGGGGTACAGGTGATCTGCATGAAGGGGAAGGCCAAGTACAAGGCCAGCGAGAACGCC
ATTGTATGGAAGATCAAGCGCATGGCAGGCATGAAGGAATCCCAGATCAGCGCAGAGATTGAGCTCCTGC
CCACCAACGATAAGAAGAAATGGGCTCGGCCCCCCATTTCCATGAACTTTGAGGTGCCATTCGCGCCTTC
TGGCCTCAAGGTGCGCTACTTGAAGGTATTCGAACCGAAGCTGAACTACAGCGACCATGATGTCATCAAA
TGGGTGCGATACATTGGCCGCAGTGGCATTTATGAAACCCGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:**

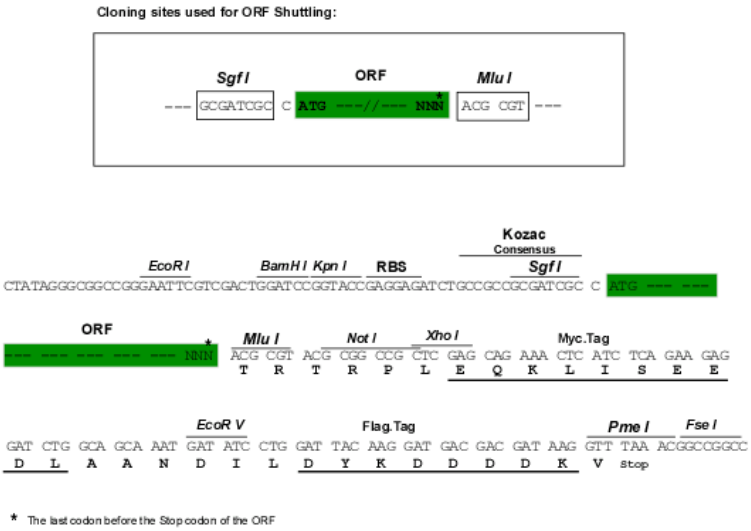
>MR206935 representing NM_009679
Red=Cloning site Green=Tags(s)

MIGGLFIYNHKGEVLISRVYRDDIGRNAVDAFRVNVIHARQQVRSPVTNIARTSFFHVKRSNIWLAAVTK
QNVNAAMVFEFLYKMCDVMAAYFGKISEENIKNNFVLIYELLDEILDFGYPQNSETGALKTFITQQGIKS
QHQTKEEQSQITSQVTGQIGWRREGIKYRRNELFLDVLESVNLLMSPQGQVLSAHVSGRVVMKSYLSGMP
ECKFGMNDKIVIEKQGKGTADETSKSGKQSIAIDDCTFHQCVRLSKFDSERSISFIPPDGEFELMRYRTT
KDIILPFRVIPLVREVGRTKLEVKVVIKSNFKPSLLAQKIEVRIPTPLNTSGVQVICMKGKAKYKASENA
IVWKIKRMAGMKESQISAEIELLPTNDKKKWARPPISMNFEVPFAPSGLKVRYLKVFEPKLNYSDHDVIK
WVRYIGRSGIYETRC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_009679

**ORF Size:** 1305 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** NM_009679.3, NP_033809.1

**RefSeq Size:** 2057 bp

**RefSeq ORF:** 1308 bp

**Locus ID:** 11773

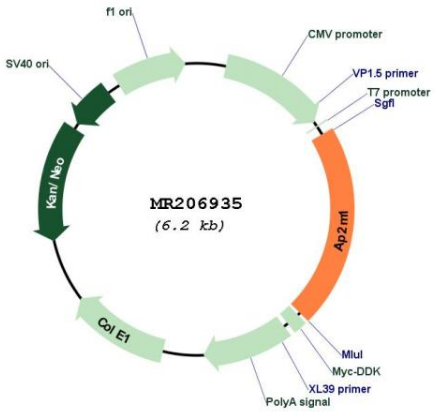
**UniProt ID:** P84091

**Cytogenetics:** 16 A3

**MW:** 50.1 kDa

**Gene Summary:** 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]

## Product images:




Circular map for MR206935