

## Product datasheet for MR206629

### Ap3m1 (BC024595) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ap3m1 (BC024595) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ap3m1
Synonyms:	1200013D09Rik; C78982; R75378
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206629 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCCACAGTCTATTTCTCATAAACTGCTCTGGCGACATTTTTCTAGAAAAACTGGAAGAGCGTTG  
TAAGCCAGTCAGTGTGACTATTTCTTTGAAGCTCAGGAGAAAGCTGCTGATGTTGAAATGTCCCACC  
TGTCATTTCAACACCTCACCACTACCTCATTAGTATCTACCGGGATAAGCTCTTCTTTGTGCTGTGATA  
CAGACCGAAGTGCCACCTCTCTTTGTAATTGAATTTCTGCATCGAGTTGCTGACACTTTTCAGGACTACT  
TTGGTGAGTGTTGAGGCTGCAATTAAGGATAATGTGGTCATAGTATATGAGCTCTTGAAGAAATGTT  
AGACAATGGATCCCACTGGCTACTGAATCTAACATTTTGAAGAAGCTGATTAACCACCAACAATTCTA  
CGTTCTGTGTCGAATTCTATTACAGGCAGTAGTAAATGTTGGGGATACACTCCCCACTGGGCGACTATCCA  
ACATCCCATGGCGTCGAGCAGGAGTGAAGTACACAAACAATGAAGCCTATTTGATGTAGTTGAAGAGAT  
AGATGCAATTATAGATAAATCAGGATCTACAGTCTTTCGAGAAATTAAGGGGTCATTGATGCTTGCAAT  
AAGCTGTCTGGAATGCCTGATCTCTCCCTCTTTTCATGAACCAAGGCTACTAGATGACGTCAGCTTCC  
ACCCATGCATCCGATTCAAACGCTGGGAGTCTGAAAGAGTTTTGTCTCATTCCCTCCAGATGGAATTT  
CCGACTCATATCGTATCGTGTGAGTCAAAAACTAGTGGCAATACCAGTGTATGTGAAACACAGTATC  
AGCTTTAAGGAAAACAGCTCTTTGGCCGTTTGATATAACAATTTGACCGAAACAGAATATGGGAAAAA  
CAATTGAAGGAATCACAGTACTGTTACATGCCCAAAGTTGTGCTGAATATGAACCTGACACCAACGCA  
AGGCAGCTATACATTTGATCCCCTGACCAAGGTAAGTACTAGCATGGGATGTGGCAAAATTAATCCACAAAAG  
CTCCCAAGTCTTAAAGGACTAGTAAATTTACAGTCAAGGAGCAGCAAGCCAGAGAGAACCACCAACCTCA  
ACATACAGTTCAAGATCCAGCAGCTTGCTATTTCAAGGCTTAAAGTGAACCGCTTGGACATGTATGGTGA  
GAAGTATAAGCCATTTAAAGGAGTCAAATATGTCACAAAGGCTGGGAAGTTCCAAGTGAGGACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206629 protein sequence  
 Red=Cloning site Green=Tags(s)

MIHSLFLINCSGDIFLEKHWKSVVSQSVCDYFFEAQEKAADVENVPPVISTPHHYLISIYRDKLFFVSVI  
 QTEVPLFLVIEFLHRVADTFQDYFGECSEAAIKDNVVIYELLEMLDNGFPLATESNILKELIKPPTIL  
 RSVVNSITGSSNVGDTLPTGQLSNIPWRRAGVKYTNNEAYFDVVEEIDAIDKSGSTVFAEIQGVIDACI  
 KLSGMPDLSLSFMPRLDDVDFHPCIRFKRWESERLVSFIPPDGNFRLISYRVSSQNLVAIPVYVKHSI  
 SFKENSSSCGRFDITIGPKQNMKGKIEGITVTVHMPKVVLNMLNMLTPTQGSYTFDPVTKVLAWDVGKITPQK  
 LPSLKGLVNLQSGAPKPEENPNLNIQFKIQQLAISGLKVNRLDMYGEKYKPKGKVKYVTKAGKFQVRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC024595

**ORF Size:** 1254 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:** [BC024595](#), [AAH24595](#)

**RefSeq Size:** 2157 bp

**RefSeq ORF:** 1256 bp

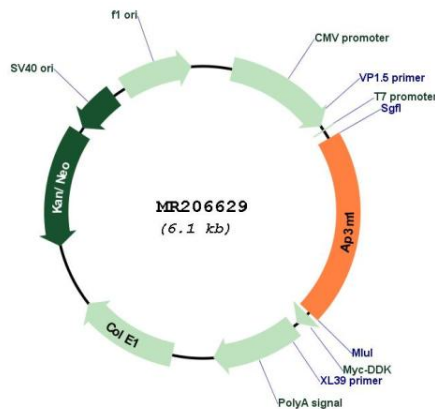
**Locus ID:** 55946

**Cytogenetics:** 14 11.58 cM

**MW:** 46.9 kDa

**Gene Summary:** Part of the AP-3 complex, an adaptor-related complex which is not clathrin-associated. The complex is associated with the Golgi region as well as more peripheral structures. It facilitates the budding of vesicles from the Golgi membrane and may be directly involved in trafficking to lysosomes. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206629