

## Product datasheet for **MG206629**

### Ap3m1 (BC024595) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ap3m1 (BC024595) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ap3m1
Synonyms:	1200013D09Rik; C78982; R75378
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206629 representing BC024595 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCCACAGTCTATTTCTCATAAACTGCTCTGGCGACATTTTTCTAGAAAAACTGGAAGAGCGTTG  
TAAGCCAGTCAGTGTGTACTATTTCTTTGAAGCTCAGGAGAAAGCTGCTGATGTTGAAATGTCCCACC  
TGTCATTTCAACACCTCACCACTACCTCATTAGTATCTACCGGGATAAGCTCTTCTTTGTGCTGTGATA  
CAGACCGAAGTGCACCTCTCTTTGTAATTGAATTTCTGCATCGAGTTGCTGACACTTTTCAGGACTACT  
TTGGTGAGTGTTGAGGCTGCAATTAAGGATAATGTGGTCATAGTATATGAGCTCTTGAAGAAATGTT  
AGACAATGGATCCCACTGGCTACTGAATCTAACATTTTGAAAGAACTGATTAACCACCAACAATTCTA  
CGTTCTGTGTCGAATTCTATTACAGGCAGTAGTAAATGTTGGGGATACACTCCCCACTGGGCGACTATCCA  
ACATCCCATGGCGTCGAGCAGGAGTGAAGTACACAAACAATGAAGCCTATTTGATGTAGTTGAAGAGAT  
AGATGCAATTATAGATAAATCAGGATCTACAGTCTTTCGAGAAATTAAGGGGTCATTGATGCTTGCAAT  
AAGCTGTCTGGAATGCCTGATCTCTCCCTCTTTTCATGAACCAAGGCTACTAGATGACGTCAGCTTCC  
ACCCATGCATCCGATTCAAACGCTGGGAGTCTGAAAGAGTTTTGTCAATCATTCTCCAGATGGAATTT  
CCGACTCATATCGTATCGTGTGAGTCAAAAACTAGTGGCAATACCAGTGTATGTGAAACACAGTATC  
AGCTTTAAGGAAAACAGCTCTTTGGCCGTTTGATATAACAATTTGACCGAAACAGAATATGGGAAAAA  
CAATTGAAGGAATCACAGTACTGTTACATGCCCAAAGTTGTGCTGAATATGAACCTGACACCAACGCA  
AGGCAGCTATACATTTGATCCCCTGACCAAGGTAAGTACTAGCATGGGATGTGGCAAAATTAATCCACAAAAG  
CTCCCAAGTCTTAAAGGACTAGTAAATTTACAGTCAAGGACCCCAAGCCAGAAGAGAACCCAAACCTCA  
ACATACAGTTCAAGATCCAGCAGCTTGCTATTTTCAGGCTTAAAAGTGAACCGCTTGGACATGTATGGTGA  
GAAGTATAAGCCATTTAAAGGAGTCAAATATGTCACAAAGGCTGGGAAGTTCCAAGTGAGGACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206629 representing BC024595  
Red=Cloning site Green=Tags(s)

MIHSLFLINCSGDI FLEKHWKSVVSQSVCDYFFEAQEKAADVENVPPVISTPHHYLISIIYRDKLFFVSVI  
 QTEVPPLFVIEFLHRVADTFQDYFGECSEAAIKDNVVIYELLEMLDNGFPLATESNILKELIKPPTIL  
 RSVVNSITGSSNVGDTLPTGQLSNIPWRRAGVKYTNNEAYFDVVEEIDAIIDKSGSTVFAEIQGVIDACI  
 KLSGMPDLSLSFMNPRLLDDVSHPCIRFKRWESERVL SFIPPDGNFRLISYRVSSQNLVAIPVYVKHSI  
 SFKENS SCGRFDITIGPKQNMGKTIEGITVTVHMPKVVLNMNLTPQTG SYTFDPVTKVLAWDVGKI TPQK  
 LP SLKGLVNLQSGAPKEENPNLNIQFKIQQLAISGLKVNRLDMYGEKYKPFKGVKYVTKAGKFQVRT

TRTRPLE - GFP Tag - V

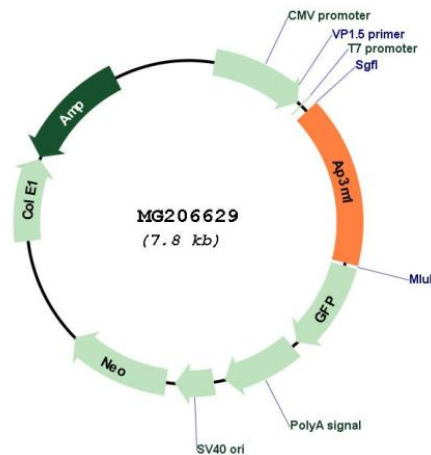
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC024595

<b>ORF Size:</b>	1256 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">BC024595</a> , <a href="#">AAH24595</a>
<b>RefSeq Size:</b>	2157 bp
<b>RefSeq ORF:</b>	1256 bp
<b>Locus ID:</b>	55946
<b>Cytogenetics:</b>	14 11.58 cM
<b>Gene Summary:</b>	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]