

Product datasheet for **MG206620**

Ap3m1 (BC090983) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap3m1 (BC090983) 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:	>MG206620 representing BC090983 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCACAGTCTATTTCTCATAAACTGCTCTGGCGACATTTTTCTAGAAAAACTGGAAGAGCGTTG
TAAGCCAGTCAGTGTGACTATTTCTTTGAAGCTCAGGAGAAAGCTGCTGATGTTGAAATGTCCCACC
TGTCATTTCAACACCTCACCACTACCTCATTAGTATCTACCGGGATAAGCTCTTCTTTGTGCTGTGATA
CAGACCGAAGTGCCACCTCTCTTTGTAATTGAATTTCTGCATCGAGTTGCTGACACTTTTCAGGACTACT
TTGGTGAGTGTTCAAGGCTGCAATTAAGGATAATGTGGTCATAGTATATGAGCTCTTGAAGAAATGTT
AGACAATGGATCCCACTGGCTACTGAATCTAACATTTTGAAGAAGCTGATTAACCACCAACAATTCTA
CGTTCTGTGTCGAATTCTATTACAGGCAGTAGTAAATGTTGGGGATACACTCCCCACTGGGCGACTATCCA
ACATCCCATGGCGTCGAGCAGGAGTGAAGTACACAAACAATGAAGCCTATTTGATGTAGTTGAAGAGAT
AGATGCAATTATAGATAAATCAGGATCTACAGTCTTTCGAGAAATTAAGGGGTCATTGATGCTTGCAAT
AAGCTGTCTGGAATGCCTGATCTCTCCCTCTTTTCATGAACCAAGGCTACTAGATGACGTCAGCTTCC
ACCCATGCATCCGATTCAAACGCTGGGAGTCTGAAAGAGTTTTGTCAATCATTCTCCAGATGGAATTT
CCGACTCATATCGTATCGTGTGAGTCTCACAAAATCTAGTGGCAATACCAGTGTATGTGAAACACAGTATC
AGCTTTAAGGAAAACAGCTCTTTGGCCGTTTGATATAACAATGGACCGAAACAGAATATGGGAAAAA
CAATTGAAGGAATCACAGTACTGTTACATGCCCAAAGTTGTGCTGAATATGAACCTGACACCAACGCA
AGGCAGCTATACATTTGATCCCCTGACCAAGGTAAGTACTAGCATGGGATGTGGCAAAATTAATCCACAAAAG
CTCCCAAGTCTTAAAGGACTAGTAAATTTACAGTCAAGGAGCAGCAAGCCAGAAGAGAACCCAAACCTCA
ACATACAGTTCAAGATCCAGCAGCTTGCTATTTTCAGGCTTAAAGTGAACCGCTTGACATGTATGGTGA
GAAGTATAAGCCATTTAAAGGAGTCAAATATGTCACAAAGGCTGGGAAGTTCCAAGTGAGGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206620 representing BC090983
Red=Cloning site Green=Tags(s)

MIHSLFLINCSGDI FLEKHWKSVVSQSVCDYFFEAQEKAADVENVPPVISTPHHYLISIIYRDKLFFVSVI
 QTEVPPLFVIEFLHRVADTFQDYFGECSEAAIKDNVVIYELLEMLDNGFPLATESNILKELIKPPTIL
 RSVVNSITGSSNVGDTLPTGQLSNIPWRRAGVKYTNNEAYFDVVEEIDAIIDKSGSTVFAEIQGVIDACI
 KLSGMPDLSLSFMNPRLLDDVSFHPCIRFKRWESERVL SFIPPDGNFRLISYRVSSQNLVAIPVYVKHSI
 SFKENS SCGRFDITIGPKQNMGKTIEGITVTVHMPKVVLMNMLTPTQGSYTFDPVTKVLAWDVGKITPQK
 LP SLKGLVNLQSGAPKEENPNLNIQFKIQQLAISGLKVNRLDMYGEKYKPFKGVKYVTKAGKFQVRT

TRTRPLE - GFP Tag - V

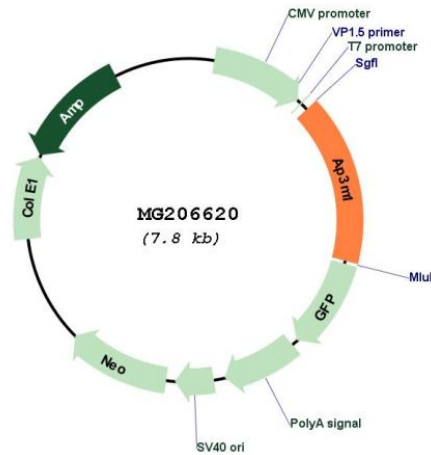
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC090983

ORF Size:	1256 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:	<ol style="list-style-type: none">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:	BC090983 , AAH90983
RefSeq Size:	2186 bp
RefSeq ORF:	1256 bp
Locus ID:	55946
Cytogenetics:	14 11.58 cM
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]