

Product datasheet for **RG208101**

AP3M2 (NM_006803) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP3M2 (NM_006803) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AP3M2
Synonyms:	AP47B; CLA20; P47B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208101 representing NM_006803 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCATAGTCTTTTCTTGATCAACTCCTCTGGAGACATTTTCTGGAGAAACATTGAAAAAGTGTGG
TCAGCCGTTCTGTTTGTGATTACTTTTTGAGGCGCAAGAGAGAGCTACTGAGGCAGAAAATGTGCCTCC
GGTTATCCCTACCCCTCACCCTATCTCTTAAGTGTTCACGCCACAAGATCTTTTTGTGGCCGTGATC
CAGACGGAGTCCCCCTCTGTTTGTCTTGTGTTTCTCACCGAGTGGTGGACACATTTTCAGGATTATT
TTGGAGTCTGTTTCCAGAGCCAGTATCAAAGACAATGTAGTTGTGGTTTATGAGGTATTGGAAGAGATGCT
TGACAATGGTTTTCCATTGGCTACCGAGTCGAACATTCCTAAAGAACTCATAAAGCCTCCTACCATCCTT
CGAACGGTTGTCAACACCATCACAGGAAGCACGAATGTGGGTGACCAGCTTCCCCTGGGCGACTGTGAG
TGGTGCCTTGGCGACGGACTGGGGTAAATATACCAACAATGAGGCCTATTTTGTGATGATTGAAGAGAT
TGATGCAATTATTGATAAATCAGGCTCCACAATTACTGCTGAGATCCAGGGGGTATTGATGCCTGTGTC
AAGCTGACTGGCATGCCAGACCTTACACTTTCCTTCAATGAACCTAGGTTGTTGGATGATGTCAGCTTCC
ATCCTTGTGTTTCGTTTCAAACGCTGGGAATCTGAGCGCATCCTCTCCTTCACTCCCTGATGAAAATT
CCGCTGCTGTCTTACCATGTCAGTGCACAGAATCTGGTTGCAATCCCAGTGTATGTCAAACATAACATC
AGTTTCCGGGACAGTAGTCCCTTGGACGCTTTGAAATAACGGTGGGACCAAGCAGACGATGGGGAAGA
CCATTGAGGGAGTACTGTCACCAGCCAGATGCCAAGGGGTCTGAACATGAGCCTTACTCCATCACA
GGGACACACACATTTCGACCCAGTCACAAAGATGCTGTCTTGGGATGTAGAAAAATAAATCCACAAAAG
CTACCAAGTTTGAAGGGACCATGAGTCTTTCAGGCTGGAGCTTCAAACCCAGATGAAAACCCACAAATTA
ACCTGCAGTTTAAAGATCCAGCAGCTGGCCATTTCTGGACTCAAGGTGAATCGTCTGGATATGTATGGAGA
AAAGTACAAACCTTTAAGGGCATAAAAACATGACCAAAGCTGGGAAGTTCCAAGTTCCAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208101 representing NM_006803
 Red=Cloning site Green=Tags(s)

MIHSLFLINSSGDI FLEKHWKSVVSRVCDYFFEAQERATEAENVPPVIPTPHHYLLSVYRHKIFFVAVI
 QTEVPPLFVIEFLHRVVDTFQDYFGVCSEPVIKDNVVVVYEVLEEMLDNGFPLATESNILKELIKPPTIL
 RTVYNTITGSTNVGDQLPTGQLSVVPWRRRTGVKYTNNEAYFDVIEEIDAIIDKSGSTITAEIQGVIDACV
 KLTGMPTDLTSLFMNPRLLDDVVSFHPKCVRFKRWESERILSFIPDGNFRLLSYHVSQNLVAIPVYVKHNI
 SFRDSSSLGRFEITVGPQKTMGKTIEGVTVTSQMPKGVLMNSLTPSQGHTTFDPVTKMLSVDVGKINPQK
 LPSLKGTMSLQAGASKPDENPTINLQFKIQQLAISGLKVNRLDMYGEKYKPFKGIKYMTKAGKFQVRT

TRTRPLE - GFP Tag - V

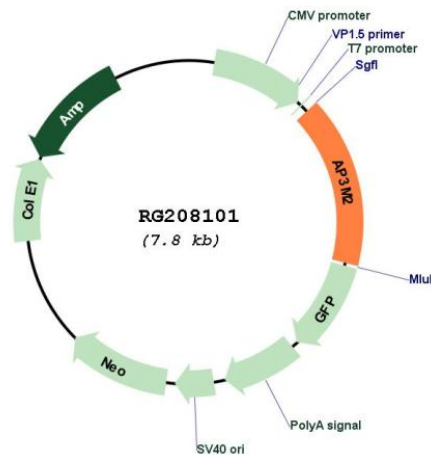
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_006803

ORF Size:	3621 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:	NM_006803.4
RefSeq Size:	3472 bp
RefSeq ORF:	1257 bp
Locus ID:	10947
UniProt ID:	P53677
Cytogenetics:	8p11.21
Domains:	Adap_comp_sub
Protein Pathways:	Lysosome
Gene Summary:	This gene encodes a subunit of the heterotetrameric adaptor-related protein complex 3 (AP-3), which belongs to the adaptor complexes medium subunits family. The AP-3 complex plays a role in protein trafficking to lysosomes and specialized organelles. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Aug 2008]