

Product datasheet for **RC208101**

AP3M2 (NM_006803) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP3M2 (NM_006803) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AP3M2
Synonyms:	AP47B; CLA20; P47B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208101 representing NM_006803 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCATAGTCTTTTCTTGATCAACTCCTCTGGAGACATTTTCTGGAGAAACATTGAAAAAGTGTGG
TCAGCCGTTCTGTTTGTGATTACTTTTTGAGGCGCAAGAGAGAGCTACTGAGGCAGAAAATGTGCCTCC
GGTTATCCCTACCCCTCACCCTATCTCTTAAGTGTTCACCGCCACAAGATCTTTTTGTGGCCGTGATC
CAGACGGAGTCCCCCTCTGTTTGTCTTGTGTTTCTCACCGAGTGGTGGACACATTTCAAGATTATT
TTGGAGTCTGTTCAAGCAGTGAATGTAAGACAATGTAGTTGTGGTTTATGAGGTATTGGAAGAGATGCT
TGACAATGGTTTTCCATTGGCTACCGAGTCGAACATTCTAAAGAACTCATAAAGCCTCCTACCATCCTT
CGAACGGTTGTCAACACCATCACAGGAAGCACGAATGTGGGTGACCAGCTTCCCCTGGGCGCTGTGAG
TGGTGCCTTGGCGACGGACTGGGGTGAATATACCAACAATGAGGCCTATTTTGTGATTGAAGAGAT
TGATGCAATTATTGATAAATCAGGCTCCACAATTACTGCTGAGATCCAGGGGGTATTGATGCCTGTGTC
AAGCTGACTGGCATGCCAGACCTTACACTTTCCTTCATGAACCCTAGGTTGTTGGATGATGTCAGCTTCC
ATCCTTGTGTTTCGTTTCAAACGCTGGGAATCTGAGCGCATCCTCTCCTTCATCCCTCCTGATGAAAATT
CCGCTGCTGTCTTACCATGTCAGTGCACAGAATCTGGTTGCAATCCCAGTGTATGTCAAACATAACATC
AGTTTCCGGGACAGTAGTTCCCTTGGACGCTTTGAAATAACGGTGGGACCAAGCAGACGATGGGGAAGA
CCATTGAGGGAGTACTGTCACCAGCCAGATGCCCAAGGGGTCTGAACATGAGCCTTACTCCATCACA
GGGACACACACATTTCGACCCAGTCACAAAGATGCTGTCTTGGGATGTAGAAAAATAAATCCACAAAAG
CTACCAAGTTTGAAGGGACCATGAGTCTTCAAGCTGGAGCTTCAAACCCAGATGAAAACCCACAAATTA
ACCTGCAGTTTAAAGATCCAGCAGCTGGCCATTTCTGGACTCAAGGTGAATCGTCTGGATATGTATGGAGA
AAAGTACAAACCTTTAAGGGCATAAAAACATGACCAAAGCTGGGAAGTTCCAAGTTCCAAC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208101 representing NM_006803
Red=Cloning site Green=Tags(s)

MIHSLFLINSSGDI FLEKHWKSVVSRVCDYFFEAQERATEAENVPPVIPTPHHYLLSVYRHKIFFVAVI
 QTEVPPPLFVIEFLHRVVDTFQDYFGVCSEPVIKDNVVVVYEVLEEMLDNGFPLATESNILKELIKPPTIL
 RTVVNTITGSTNVGDQLPTGQLSVVPWRRITGVKYTNNEAYFDVIEEIDAIDKSGSTITAEIQGVIDACV
 KLTGMPDLTLSFMNPRLLDDVSHPCVRFKRWESERILSFIPDPGNFRLLSYHVSAQNLVAIPVYVKHNI
 SFRDSSSLGRFEITVGPQTMGKTIIEGVTVTSQMPKGVLNMSLTPSQGTHTFDPVTKMLSWDVGKINPQK
 LPSLKGTMSLQAGASKPDENPTINLQFKIQQLAISGLKVNRLDMYGEKYKPFKGIKYMTKAGKFQVRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8106_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006803

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: [NM_006803.4](#)

RefSeq Size: 3624 bp

RefSeq ORF: 1257 bp

Locus ID: 10947

UniProt ID: [P53677](#)

Cytogenetics: 8p11.21

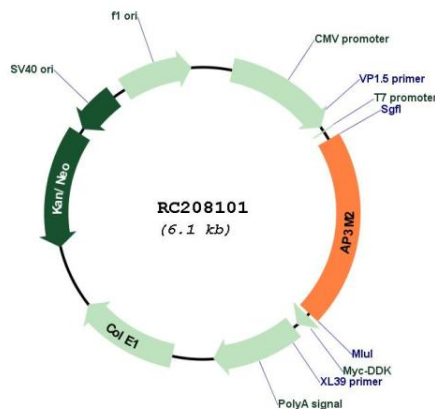
Domains: Adap_comp_sub

Protein Pathways: Lysosome

MW: 47 kDa

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]

Product images:



Circular map for RC208101