

Product datasheet for **MC204073**

Ap3m2 (NM_029505) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap3m2 (NM_029505) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ap3m2
Synonyms:	5830445E16Rik; AP-3B
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC027301
 GGAGCCTGAGACCTGGTGAAGCTGGGTTGAAAAGCTAGCTGAATCCAGAGGCTCGCAGACTGAACGAGCA
 TTCCTCTCCCACCGCCTCTCCACCATGATTACAGCCTTTTCTTGATTAACCTCTCCGGAGATATTTTC
 CTGGAGAAACACTGGAAGGTGTGGTACAGCCGCTCTGTGTGTGATTACTTCTCGAGGCCAAGAGAGAG
 CTACAGAGGCAGAAAATGTCCCTCCGGTATCCCCACCCCACTACCTCCTGAGCGTTTACCGGCA
 CAAGATCTTCTTGTGGCTGTAATCCAGACAGAGGTCCCGCCTGTGTTGTCATTGAATTCCTTACCGC
 GTAGTGGATACATTTAGGACTATTTGGGGTCTGTTCCGAGCCAGTGATCAAAGACAATGTGGTGGTGG
 TGTACGAGGTGTTGGAAGAGATGCTGGACAACGGGTTCCCTTGCTACGGAGTCAAACATCCTCAAAGA
 ACTGATAAAGCCTCCCACTATTCTCCGGACAGTGGTCAACACCATCACAGGAAGCACCAATGTGGGGGAC
 CAGCTTCCAAGTGGGAGCTGTCCGTGGTGCCTTGGCGACGGACAGGGGTGAAATATACCAACAACGAGG
 CCTATTTTCGATGTGGTGAAGAGATAGACGCCATCATTGACAAGTCAGGTTCCACAGTCACCGCTGAGAT
 CCAAGGGGTGATCGATGCCTGTGTTAAGCTGACCGGGATGCCGGATCTCACTCTGTCTTATGAACCCC
 AGGTTGCTGGACGATGTTAGCTCCACCCCTGTGTCGTTTCAAGCGCTGGGAATCTGAGCGCATCTCT
 CCTTCATCCCTCCTGACGGCAACTTCCGCCTGCTCGCTACCACGTCAGTGCACAGAACCTCGTTGCCAT
 TCCAGTCTATGTCAAACATAGCATCAGCTTCCGGGACAGCAGTTCAGTTGGACGCTTTGAAATCACGGTG
 GGACCAAGCAGACCATGGGGAAGACCATAGAGGGTGTGATTGTACCAGCCAGATGCCAAAGGAGTCC
 TGAATATGAGCCTCACTCCATCTCAGGGGACACACGTTTGACCCCGTGACAAAGATGTGTCTTGGGA
 TGTAGGAAAAATAAACCCACAGAAGCTGCCAAGTTTGAAGGGGACGATGGGTCTCCAGGTCCGAGCTTCT
 AAACCAGATGAGAACCCTACGATTAACCTGCAGTTTAAAGTCCAGCAGCTGGCCATTTCTGGACTCAAAG
 TGAACCGTCTGGATATGTACGGGGAGAAGTACAAGCCCTTTAAAGGCATCAAATACATGACCAAAGCCGG
 CAAGTTCCAAGTCCGAACCTGAAGGGAACGTCTTGCCGAAGGAGCAGTTCACGGACATTTTTATTCTT
 TACTTGTCTAAAAGTAAAATGTCAGCCTGTTTCTTAGTCCGTTCCCTCCGGGCTCCATCTACTCCCTTT
 TGTCTCCGCTTTCAGCCACATAAGTGTGGAGGGAGAGAAAGTTCATTCCGGGAAAAACGAGGCCAAC
 CCCAGCGCAGCACTGACTGAGTTCTGGAGGCGTGGCCTGGAGAGCAGCGCCTGTGACACTGCATTTTCAT
 CACTTTTAAACACAGTTGCCGTGGGGAAGACCGCCTGTGATGTTTGGTTTTCAGTCACCTAAACCAATG
 GAAGATGTCTCTATTGATTTCTTTTTTTTTAAGATAGAAAGATATGAGAGGGGAAAAAAGAAGATCGGA
 AGAAAAATGGGTGTTAGTCCAAGAAAGAGCAGTTGAGATTTGACTCATGGGTCTGGGTTGTACCTCGGTG
 ATCAAGCCCTGACCTGGAGTCTGGTTCATCCTGGTACCACCCACAATGAAGACAGATCTGCTCGATGGG
 GGGCAGGACTGAGAGGCTGGTGTGAAGAGATACCATAGTGAAGGGTTGTCGAGAAAAGCGATTGGAATCT
 CCCCAGTGGGTGAGGCTAGGACAAGCCGAGTGCAGTAGTTTCTTTCAGACCCCTCTCACGTGTAGAAAGG
 CTTTGTATGTCCAGGACTTTGAAAGTTCAGTCCACGCTTGACGTGAAACCGCACTGGGATTAGCTTTCT
 TTGGAGACTAAGGTGCCACAGCCTGGCTTTAAGATTGCTACTGGCTGCTTGCCTGGCCGCTCGCTTG
 TTGGGAAGGTTACCTGCTAGAGCGGCTACAGACTTTTGTCTGGCTATCTGACTCCTCAGTGGGATCGCTC
 CAAAAACAGCAGTGTCCGTGCAGGCAGGTTTTATGAGTGATAGTGGTGGAGTTGATGTGGGGGACTCGC
 CACCCAGTGGATCATGTCCATGTCCCTGACCTCCACTGATGTTTGTGAAGCCGGACTGGCCCTGGGCT
 TGCTTTTCTGTCTGAAGGTCCCATCAGAAATCCCCAAGTGAAGTGTGAGCCCACTGAGGACATTAGTGTA
 CGAAGCTGCTTTCCATTGTCTGTACCTATCGGCTACAGCTCCCAGACAGACAGACAGCTCCCAAT
 AGCTCCCAGTCCGCACTTAAAACAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_029505
- Insert Size:** 1257 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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: [BC027301](#), [AAH27301](#)

RefSeq Size: 2558 bp

RefSeq ORF: 1257 bp

Locus ID: 64933

UniProt ID: [Q8R2R9](#)

Cytogenetics: 8 A2

Gene Summary: Component of the adaptor complexes which link clathrin to receptors in coated vesicles. Clathrin-associated protein complexes are believed to interact with the cytoplasmic tails of membrane proteins, leading to their selection and concentration. Ap47 is a subunit of the plasma membrane adaptor (By similarity). 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]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.