

Product datasheet for MR206625

Ap3m2 (NM_029505) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap3m2 (NM_029505) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ap3m2
Synonyms:	5830445E16Rik; AP-3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206625 representing NM_029505 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTACAGCCTTTTCTTGATTAACCTTCCGGAGATATTTCTGGAGAAACACTGGAAAAGTGTGG
TCAGCCGCTCTGTGTGTGATTACTTCTCGAGGCCAAGAGAGAGCTACCGAGGCAGAAAATGTGCCTCC
GGTCATCCCACCCCTCACCCTACCTCCTGAGTGTTCACGGCACAAGATCTTCTTTGTGGCTGTAATC
CAGACAGAGGTCCCGCCTCTGTTTGTCAATTCCTTACCGAGTAGTGGATACATTTCAAGACTATT
TTGGGGTCTGTTCCGAGCCAGTGATCAAAGACAATGTGGTGGTGTACGAGGTGTTGGAAGAGATGCT
GGACAACGGGTTCCCTTGGCTACGGAGTCAAACATCCTCAAAGAACTGATAAAGCCTCCCACTATTCTC
CGGACAGTGGTCAACACCATCACAGGAAGCACCAATGTGGGGGACCAGCTTCCAACCTGGGACGCTGTCGG
TGGTGCCTTGGGACGGACAGGGGTGAAATATACCAACAACGAGGCCATTTTCGATGTGGTGAAGAGAT
AGACGCCATCATTGACAAGTCAGGTTCCACAGTCACCGCTGAGATCCAAGGGGTGATCGATGCCTGTGTT
AAGCTGACCGGGATGCCGGATCTCACTCTGTCTTCAAGCCCCAGGTTGCTGGACGATGTTAGCTTCC
ACCCCTGTGTCCGTTTCAAGCGCTGGGAATCTGAGCGCATCCTCTCCTTCATCCCTCCTGACGGCAACT
CCGCTGCTCGCTACCACGTCAGTGCACAGAACCTCGTTGCCATTCCAGTCTATGTCAAACATAGCATC
AGCTTCCGGGACAGCAGTTCACCTGGACGCTTTGAAATCACGGTGGGACCAAGCAGACCATGGGGAAGA
CCATAGAGGGTGTGATTGTCAACAGCCAGATGCCCAAAGGAGTCTGAATATGAGCCTCACTCCATCTCA
GGGACACACACGTTTGACCCCGTGACAAAGATGCTGTCTTGGGATGTAGAAAAATAAACCCACAGAAG
CTGCCAAGTTTGAAGGGGACGATGGGTCTCAGGTCGGAGCTTCTAAACCAGATGAGAACCCTACGATTA
ACCTGCAGTTTAAAGATCCAGCAGCTGGCCATTTCTGGACTCAAAGTGAACCGTCTGGATATGTACGGGA
GAAGTACAAGCCCTTTAAAGGCATCAAATACATGACCAAAGCCGGCAAGTTCCAAGTCCGAACC

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

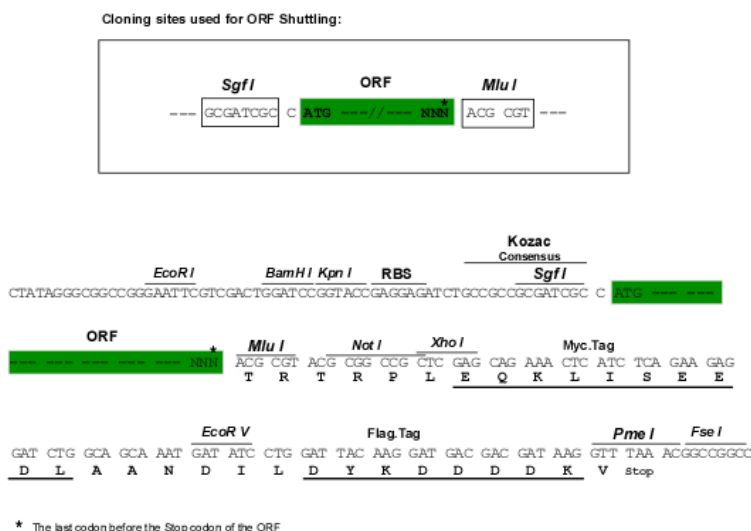


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Chromatograms: https://cdn.origene.com/chromatograms/mm9077_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029505

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_029505.3](#), [NP_083781.2](#)

RefSeq Size: 3405 bp

RefSeq ORF: 1257 bp

Locus ID: 64933

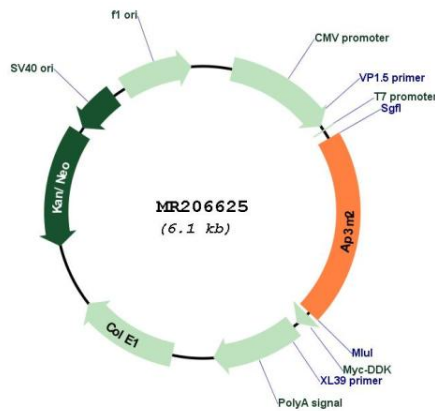
UniProt ID: [Q8R2R9](#)

Cytogenetics: 8 A2

MW: 47.4 kDa

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]

Product images:



Circular map for MR206625