

Product datasheet for **RN210865**

Ap1m1 (NM_001044239) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap1m1 (NM_001044239) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ap1m1
Synonyms:	MGC125095
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210865 representing NM_001044239
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTCCGCCAGCGCCGTCTACGTACTGGACCTGAAGGGCAAGGTGCTCATCTGCAGGAACCTACCGTGGGG
 ATGTGGACATGTCAGAGGTGGAGCACTTCATGCCATTCTGATGGAGAAGGAGGAGGGCATGCTGTC
 ACCTATCTTGGCCCATGGTGGCGTTTCGTTTCATGTGGATTAAGCACAACAACCTGTACCTGGTCGCCACT
 TCAAAAAAGAATGCTTGTGTGCTAGTATTCTCCTCTCTACAAGGTGGTGCAGGTGTTCTCTGAGT
 ACTTTAAGGAGCTGGAGGAGGAGCATCCGAGACAACCTTTGTTATCATTTATGAGCTTCTGGATGAGCT
 CATGGACTTCGGCTACCCGACAGCACCGACAGCAAGATCCTGCAGGAGTACATCACTCAGGAAGGCCAC
 AAGCTGGAACAGGAGCCCTCGGCCCCAGCCACCGTCACCAATGCTGTGCTCTGGCGCTCAGAAGGTA
 TCAAGTATCGGAAGAACGAAGTATTCTGGACGTCATTGAGGCCGTTAACCTCTTGGTCAGTGCCAATGG
 CAACGTGCTGCGTAGTGAGATCGTGGGTCCATCAAGATGCGCGTCTTCTCTCAGGCATGCCTGAGCTA
 CGCTGGGTCTCAATGACAAAGTCCTCTTCGACAACACGGGCCGAGGGAAGAGCAAGTCAGTGGAGCTGG
 AGGACGTGAAGTTCACCAAGTGTGTGCGGTTGTACGTTTTGAGAATGACCGCACAATATCCTTCATTCC
 ACCAGACGGAGAATTCGAATCATGTCTACCGCCTCAACACCCATGTGAAGCCTTTGATCTGGATCGAG
 TCCGTGATTGAAAAGCATTCCCACAGCCGATTGAGTACATGGTCAAGGCCAAGAGCCAGTTCAAGCGGC
 GGTCACAGCCAACAATGTGGAGATCCACATCCAGTCCCAATGACGCCGACTCACCAAGTTCAAGAC
 CACGGTGGGAGTGTCAAGTGGGTCCCTGAAAACAGTGAGATCGTGTGGTCCATCAATCCTTCCCGGT
 GGCAAGGAGTACCTGATGCGGGCCCACTTCGGCCTTCCAGTGTGAAGCGGAAGACAAGGAGGGCAAGC
 CTCCCATCAGCGTCAAGTTCGAGATCCCTATTTCACTACCTCTGGCATCCAGGTGCGCTACCTGAAAAT
 CATTGAGAAGAGCGGGTACCAGGCCCTGCCCTGGGTACGCTATATCACGCAGAATGGAGATTACAGCTC
 CGGACCCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001044239

Insert Size: 1272 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: NM_001044239.1, NP_001037704.1

RefSeq Size: 1955 bp

RefSeq ORF: 1272 bp

Locus ID: 306332

UniProt ID: [Q32Q06](#)

Cytogenetics: 16p14

Gene Summary: Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the trans-Golgi network (TGN) and endosomes. The AP complexes mediate the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules (By similarity).[UniProtKB/Swiss-Prot Function]