

Product datasheet for **MG216513**

Ap1m2 (NM_001110300) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Ap1m2 (NM_001110300) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Ap1m2 |
| Synonyms: | D9Ert818e; mu1B; [m]1B |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG216513 representing NM_001110300 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCCTCGGCAGTCTTCATTCTGGACGTCAAGGGCAAGCCTCTGATTAGCCGAAACTACAAAGGTG
ATGTGCCCATGACAGAGATTGACCATTGATGCCGCTGCTTATGCAGCGTGAGGAGGAGGGCGTCTGGC
CCCCTGCTGAGCCACGGCCGAGTGCACCTCTGTGGATCAAACACAGCAACCTCTACTTGGTGGCCACC
ACGCTGAAGAACGCTAATGCCTCTCTGGTGTACTCCTTTCTGTACAAGACTGTGGAGTCTTCTGCGAGT
ACTTTAAGGAGCTGGAGGAGGAGAGCATCCGGGACAACCTCGTCATCGTGTACGAGCTGCTGGATGAGCT
CATGGACTTCGGCTTTCCGCAGACCACAGACAGCAAGATCCTGCAGGAGTACATCACACAACAGGGCAAC
AAGCTGGAGACTGGCAAATCTCGTGTACCACCTACAGTACCAATGCGGTGTCGTGGCGCTCTGAGGGCA
TTAAGTACAAAAAGAAATGAGGTCTTCATTGATGTCATTGAGTCTGTCAACCTTCTGGTCAATGCTAATGG
GAGTGTCTTGCTCAGCGAGATTGTGGGCACCATCAAGCTGAAGGTGTTTCTGTCTGGGATGCCAGAGCTG
CGGCTGGGCTCAATGACCGAGTGTCTTTGAGCTTACTGGCCGAGCAAGAACAAGTCTGTGGAAGTGG
AAGATGTGAAATCCACCAATGTGTGAGGCTTTCACGCTTTGACAACGACCGAACCATCTCCTTCATACC
CCCAGATGGGGACTTTGAACTCATGTCTACCGGCTTAGCACCCAGGTCAAACCCCTGATCTGGATCGAG
TCAGTCATTGAGAAATTCGCACAGCCGAGTGGAGATCATGGTGAAGGCCAAGGTCAGTTTAAGGAGC
AGTCGGTGGCCAATGGCGTGAAATCTCTGTGCCGTTTCTAGTGTGAGACTCTCCGCGCTTCAAGAC
CAGTGTGGCAGTGCCAAGTATGTGCTGAGAAGAATGTTGTATCTGGAGCATCAAGTCATTCCCTGGG
GGAAAGGAGTACTTGATGCGTGCCACTTTGGCCTCCCCAGCGTGAAACTGAGGAGGTAGAGGGCCGAC
CACCCATCGGGTCAAGTTTGAATTCCATACTTTACCGTTTCTGGCATCCAGGTCGGTTACATGAAGAT
CATCGAGAAAAGTGGGTACCAGGCCCTGCCCTGGGTCCGTTACATCACGCAGAGTGGTATTATCAACT
CGTACCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG216513 representing NM_001110300
 Red=Cloning site Green=Tags(s)

MSASAVFILDVKGKPLISRNYKGDVPMTEIDHFMPLLMQREEEGVLAPLLSHGRVHFLWIKHSNLYLVAT
 TLKNANASLVYSFLYKTVEVFCEYFKELEESIRDNFVIVYELLDELMDFGFPQTDSKILQEYITQQGN
 KLETGKSRVPPTVNAVSWRSEGIKYKNEVFIDVIESVNLLVANGSVLLSEIVGTIKLVFLSGMPEL
 RLGLNDRVLFELTGRSKNKSVELEDVKFHQCVRLSRFDNDRTISFIPPDGDFELMSYRLSTQVKPLIWE
 SVIEKFSHSRVEIMVKAKGQFKQSVANGVEISVPVPSDADSPRFKTSVGS AKYVPEKNVVIWSIKSFPG
 GK EYLMRAHFGLPSVETEEVEGRPPIGVKFEIPYFTVSGIQVRYMKIIEKSGYQALPWVRYITQSGDYQL
 RTS

TRTRPLE - GFP Tag - V

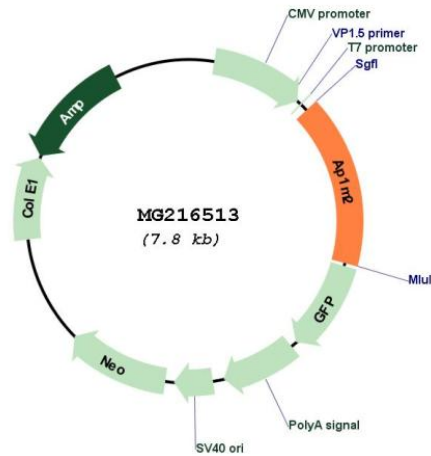
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001110300

| | |
|-------------------------------|---|
| ORF Size: | 1275 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_001110300.1 , NP_001103770.1 |
| RefSeq Size: | 1738 bp |
| RefSeq ORF: | 1278 bp |
| Locus ID: | 11768 |
| UniProt ID: | Q9WVP1 |
| Cytogenetics: | 9 7.76 cM |
| 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.[UniProtKB/Swiss-Prot Function] |