

## Product datasheet for **MR216513**

### Ap1m2 (NM\_001110300) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ap1m2 (NM\_001110300) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ap1m2  
**Synonyms:** D9Ert818e; mu1B; [m]1B  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR216513 representing NM\_001110300  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGCCTCGGCAGTCTTCATTCTGGACGTCAAGGGCAAGCCTCTGATTAGCCGAACTACAAAGGTG  
ATGTGCCCATGACAGAGATTGACCACTTCATGCCGCTGCTTATGCAGCGTGAGGAGGAGGGCGTGTGCC  
CCCCTGCTGAGCCACGGCCGAGTGCATTCCTGTGGATCAAACACAGCAACCTCTACTTGGTGGCCACC  
ACGCTGAAGAACGCTAATGCCTCTCTGGTGTACTCCTTTCTGTACAAGACTGTGGAGGTCTCTGGCAGT  
ACTTTAAGGAGCTGGAGGAGGAGAGCATCCGGGCAACTTCGTCATCGTGTACGAGCTGTGGATGAGCT  
CATGGACTTCGGCTTTCCGCAGACCACAGACAGCAAGATCCTGCAGGAGTACATCACACAACAGGGCAAC  
AAGCTGGAGACTGGCAATCTCGTGTACCACCTACAGTACCAATGCGGTGTCTGGCGCTCTGAGGGCA  
TTAAGTACAAAAGAATGAGGTCTTCATTGATGTCATTGAGTCTGTCAACCTTCTGGTCAATGCTAATGG  
GAGTGTCTTGCTCAGCGAGATTGTGGGCACCATCAAGCTGAAGGTGTTTCTGTCTGGGATGCCAGAGCTG  
CGGCTGGCCTCAATGACCGAGTGTCTTTGAGCTTACTGGCCGAGCAAGAACAAGTCTGTGGAAGTGG  
AAGATGTGAAATTCCACCAATGTGTGAGGCTTTCAGCTTTGACAACGACCGCAACCATCTCCTTCATACC  
CCCAGATGGGGACTTTGAACTCATGTCTACCGCTTAGCACCCAGGTCAAACCCCTGATCTGGATCGAG  
TCAGTCATTGAGAAATTCTCGCACAGCCGAGTGGAGATCATGGTGAAGGCCAAGGGTCAAGTTAAGAAGC  
AGTCGGTGGCAAATGGCGTGGAAATCTCTGTGCCGTTCTAGTGATGCAGACTCTCCGCGCTTCAAGAC  
CAGTGTGGCAGTGCCAAGTATGTGCCTGAGAAGAATGTTGTCATCTGGAGCATCAAGTCATTCCCTGGG  
GGAAAGGAGTACTTGTGCTGCCACTTTGGCCTCCCCAGCGTGGAAACTGAGGAGGTAGAGGGCCGAC  
CACCCATCGGGTCAAGTTTGTGATTCCATACTTTACCGTTTCTGGCATCCAGTCCGTTACATGAAGAT  
CATCGAGAAAAGTGGGTACCAGGCCCTGCCCTGGTCCGTTACATCACGCAGAGTGGTATTATCAACT  
CGTACCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR216513 representing NM\_001110300  
Red=Cloning site Green=Tags(s)

MSASAVFILDVKGKPLISRNYKGDVPMTEIDHFMPLLMQREEEGVLAPLLSHGRVHFLWIKHSNLYLVAT  
 TLKNANASLVYSFLYKTVEVFCEYFKELEESIRDNFVIYELLDELMDFGFPQTDSKILQEYITQGN  
 KLETGKSRVPPTVNAVSWRSEGIKYKNEVFIDVIESVNLNANGSVLLSEIVGTIKLVFLSGMPEL  
 RLGLNDRVLFELTGRSKNKSVELEDVKFHQCVRLSRFDNDRTISFIPPDGDFELMSYRLSTQVKPLIWE  
 SVIEKFSHSRVEIMVKAKGQFKQSVANGVEISVPVPSDADSPRFKTSVGS AKYVPEKNVVIWSIKSFGP  
 GKEYLMRAHFGLPSVETEVEGRPPIGVKFEIPYFTVSGIQVRYMKIIEKSGYQALPWVRYITQSGDYQL  
 RTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

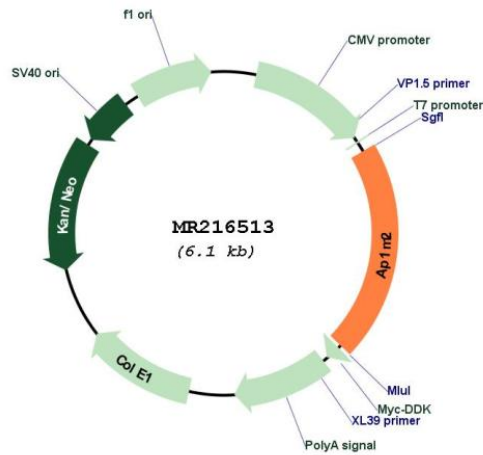
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001110300

<b>ORF Size:</b>	1269 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001110300.1</a> , <a href="#">NP_001103770.1</a>
<b>RefSeq Size:</b>	1738 bp
<b>RefSeq ORF:</b>	1278 bp
<b>Locus ID:</b>	11768
<b>UniProt ID:</b>	<a href="#">Q9WVP1</a>
<b>Cytogenetics:</b>	9 7.76 cM
<b>MW:</b>	48.7 kDa
<b>Gene Summary:</b>	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]