

## Product datasheet for **MC221844**

### Ap1g1 (NM\_009677) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ap1g1 (NM_009677) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ap1g1
Synonyms:	AA409002; Adtg; AU041323; AW551707; D8Ertd374e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221844 representing NM\_009677  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCAGCCCCATCAGATTGCGGGAGCTGATCCGGACCATCCGGACAGCCGAACCAAGCTGAGGAAC  
 GAGAAATGATCCAGAAAGAAATGTGCTGCAATCCGGTCTCATTTAGAGAAGAAGACAATACATACCGGTG  
 TCGGAATGTGGCAAAGTTACTATATATGCACATGCTGGGCTACCTGCTCACTTTGGACAGTTGGAGTGC  
 CTCAAGCTAATCGCCTCACAAAAATTCACAGACAAACGCATTGGCTATTTAGGAGCAATGCTATTATTAG  
 ATGAAAGACAAGATGTGCATCTTCTCATGACCAACTGTATCAAGAATGATCTTAATCATAGCACGCAGTT  
 TGTGCAGGGGCTAGCACTTTGTACCCTCGGCTGCATGGGCTCCTCGGAGATGTGCAGAGATCTTGGGGGA  
 GAGGTAGAAAAGCTTCTGAAAACCTCCAACCTTACTTAAGAAAAAGGCAGCACTGTGTGCTGTTACCG  
 TCATCAGGAAGGTTCTGAACCTTATGGAGATGTTTTACCAGCAACAAAAATTTATTGAATGAGAAGAA  
 CCATGGTGTCTTACACGTCTGTAGTCTCCTCACAGAGATGTGTGAACGGAGCCAGACATGCTCGCA  
 CATTTTCAGAAAGAATGAAAAGCTTGTGCCCAATTAGTTCGTATTCTAAAGAACCTCATCATGTCCGGAT  
 ATCCCCAGAACATGATGTCTCTGGTATCAGTGACCCCTTTTTCAGGTACGAATTTTGGGTTATTAAG  
 AATTTTAGGACGGAATGACGATGATTCAAGTGAAGCTATGAATGATATATTAGCACAGGTTGCCACTAAT  
 ACAGAGACTAGTAAAAATGTAGGAAATGCTATTCTGTATGAGACGGTTTTGACTATCATGGATATTAAT  
 CAGAGAGTGGATTGCGAGTTCTAGCCATAAATATTCTGGTGGTCTTATTGAACAATGACAAAAATAT  
 TAGATATGTTGCTCTGACATCTCTGTTGAAGACTGTGCAGACAGATCATAACGCTGTACAGAGGCATAGA  
 AGCACAATTGTGGACTGTCTGAAAGATCTGGATGTCTCCATAAAAAGACGTGCAATGGAATCTGAGTTTG  
 CCCTGGTGAATGGGAATAATATCCGAGGCATGATGAAAGAATTACTTTATTTTCTGGATCTGTAGCC  
 AGAATTTAAAGCTGATTGTGCATCTGGAATCTTCTTGGCTGCAGAAAAGTACGCACCTTCCAACCGGTGG  
 CATATAGATACAATTATGCGTGTCTTGACAACGGCAGGAAGTTATGTTCCGCGATGATGCAGTTCCTAACT  
 TGATTCAGTTAATAACCAACAGTGTGGAGATGCACGCTTACACCGTCCAGCGCCTGTACAAGCGATTCT  
 CGGTGACTATTCTCAACAACCTTGGTACAAGTGGCTGCGTGGTGTATAGGTGAATATGGCGATCTTCTT  
 GTGTCTGGCCAGTGTGAAGAGGAAGAGCCTATTCAGGTGACAGAAGATGAAGTGTGGATATTTAGAAA  
 GTGTCCTGATCTAATATGTCCACCTCTGTGACAAGAGGCTATGCTCTCACTGCCATTATGAAGCTGTC  
 TACCCGATTACCTGTACTGTAAACCGAATTAAGAAAGTGGTTTCCATCTATGGGAGCAGCATCGACGTA  
 GAGCTCCAGCAGAGGGCAGTAGAGTACAACGCACCTTTTTAAGAAGTATGACCACATGAGGTCTGCCCTAC  
 TTGAAAGAATGCCTGTATGAAAAAGTGACCACAATGGCCCTTCGGAGATCGTGCAGACAAATGGAGA  
 GACAGAACCAGCGCCCTAGAGACTAAACCAACCCCTCAGGGCCACAACCCACAAGCCAGGCCAATGAT  
 CTATTGGATTTGTTGGGAGGAAATGACATAACACCTGTTATCCCAACTGCACCTACAAGCAAACAGCAT  
 CAGCTGGTGGAGAATTCTCGACTTGTAGGAGACATCACCTGACAGGTGCTCCAGCTGCTGCTCCTAC  
 CCCTGCCTCAGTGCCACAGATATCCAGCCCCCTTCTTGTGGATGGGCTTTCCTCACAGCCTCTTTC  
 AATGACATCGCTCCAGGCATCCCTCCATCACAGCGTACAGTAAAGACGGCTTGAAGATAGAGTTACCT  
 TTGAACGGTCAAACCAACCCAGCGTAACAGTGATAACGATACAGGCCTTAACAGCACAGAGCTAGA  
 CATGACGGACTTTGTTTTCCAGGCTGCAGTACCAAAGACATTCCAGCTGCAGCTTCTGTCTCTAGCAGC  
 AGCGTTGTCCCAGCCTTTAATACAGGGACCATCACACAAGTCATTAAGTTCTGAATCCACAGAAGCAAC  
 AGCTGCGAATGCGGATCAAGCTCACATATAATCACAAGGGCTCGGCAATGCAAGATCTAGCAGAAGTGA  
 CAATTTCCCCCTCAGTCTGGCAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_009677  
**Insert Size:** 2478 bp

<b>OTI Disclaimer:</b>	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).
<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_009677.6</a> , <a href="#">NP_033807.2</a>
<b>RefSeq Size:</b>	6891 bp
<b>RefSeq ORF:</b>	2478 bp
<b>Locus ID:</b>	11765
<b>Cytogenetics:</b>	8 57.26 cM
<b>Gene Summary:</b>	<p>Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>