

## Product datasheet for **MC229003**

### Ap1g1 (NM\_001301211) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ap1g1 (NM_001301211) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ap1g1
Synonyms:	AA409002; Adtg; AU041323; AW551707; D8Ertd374e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC229003 representing NM\_001301211  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGCCCCATCAGATTGCGGGAGCTGATCCGGACCATCCGGACAGCCGAACCAAGCTGAGGAAC  
GAGAAATGATCCAGAAAGAAATGTGCTGCAATCCGGTCTCATTAGAGAAGAAGACAATACATACCGGTG  
TCGGAATGTGGCAAAGTTACTATATATGCACATGCTGGGCTACCTGCTCACTTTGGACAGTTGGAGTGC  
CTCAAGCTAATCGCCTCACAAAAATTCACAGACAAACGCATTGGCTATTTAGGAGCAATGCTATTATTAG  
ATGAAAGACAAGATGTGCATCTTCTCATGACCAACTGTATCAAGAATGATCTTAATCATAGCACGCAGTT  
TGTGCAGGGGCTAGCACTTTGTACCCTCGGCTGCATGGGCTCCTCGGAGATGTGCAGAGATCTTGGGGGA  
GAGGTAGAAAAGCTTCTGAAAACCTCCAACCTTACTTAAAGAAAAAGGCAGCACTGTGTCTGTTACG  
TCATCAGGAAGGTTCTGAACCTTATGGAGATGTTTTACCAGCAACAAAAATTTATTGAATGAGAAGAA  
CCATGGTGTCTTACACGTCTGTAGTCTCCTCACAGAGATGTGTGAACGGAGCCAGACATGCTCGCA  
CATTTTCAGAAAGCTTGTGCCCAATTAGTTCGTATTCTAAAGAACCTCATCATGTCCGGATATCCCCAG  
AACATGATGTCTCTGGTATCAGTGACCCCTTTTTGCAGGTACGAATTTTGCGGTTATTAAGAATTTTAGG  
ACGGAATGACGATGATCAAGTGAAGCTATGAATGATATATTAGCACAGGTTGCCACTAATACAGAGACT  
AGTAAAAATGTAGGAAATGCTATTCTGTATGAGACGGTTTTGACTATCATGGATATTAATACAGAGAGTG  
GATTGCGAGTTCTAGCCATAAATATTCTTGGTCGATTCTATTGAACAATGACAAAAATATTAGATATGT  
TGCTCTGACATCTCTGTTGAAGACTGTGCAGACAGATCATAACGCTGTACAGAGGCATAGAAGCACAAAT  
GTGGACTGTCTGAAAGATCTGGATGTCTCCATAAAAAGACGTGCAATGGAACCTGAGTTTGGCCCTGGTGA  
AGCTGATTGTGCATCTGGAATCTTCTTGTGCTGCAGAAAAGTACGCACCTTCCAAACGGTGGCATATAGAT  
ACAATTATGCGTGTCTTGACAACGGCAGGAAGTTATGTTGCGGATGATGCAGTTCCTAAGTTCAGT  
TAATAACCAACAGTGTGGAGATGCACGCTTACACCGTCCAGCGCTGTACAAGGCGATTCTCGGTGACTA  
TTCTCAACAACCCCTTGGTACAAGTGGTGGTGGTGTATAGGTGAATATGGCGATCTTCTGTGTCTGGC  
CAGTGTGAAGAGGAAGAGCCTATTCAGGTGACAGAAGATGAAGTGTGGATATTTTAGAAAGTGTCTGA  
TCTCTAATATGTCCACCTCTGTGACAAGAGGCTATGCTCTCACTGCCATTATGAAGCTGTCTACCCGATT  
CACCTGTACTGTAAACCGAATTAAGAAAGTGGTTCCATCTATGGGAGCAGCATCGAGTACAGCTCCAG  
CAGAGGGCAGTAGAGTACAACGCCTTTTTAAGAAGTATGACCACATGAGGTCTGCCCTACTTGAAGAA  
TGCTGTGATGAAAAAGTGACCACAAATGGCCCTTCGGAGATCGTGCAGACAAATGGAGAGACAGAACC  
AGCGCCCCTAGAGACTAAACCACCACCCTCAGGGCCACAACCCACAAGCCAGGCCAATGATCTATTGGAT  
TTGTTGGGAGGAAATGACATAACACCTGTTATCCCAACTGCACCTACAAGCAAACCCAGCATCAGCTGGTG  
GAGAACTTCTCGACTTGTAGGAGACATCACCTGACAGGTGCTCCAGCTGCTGCTCCTACCCCTGCCTC  
AGTGCCACAGATATCCAGCCCCCTTCTTGTGGATGGGCTTTCCTCACAGCCTCTCTTCAATGACATC  
GCTCCAGGCATCCCCTCCATCACAGCGTACAGTAAGAACGGCTTGAAGATAGAGTTCACCTTTGAACGGT  
CAAACACCAACCCAGCGTAACAGTGATAACGATACAGGCCTCTAACAGCACAGAGCTAGACATGACGGA  
CTTTGTTTTCCAGGCTGCAGTACCAAGACATTCCAGCTGCAGCTTCTGTCTCTAGCAGCAGCGTTGTC  
CCAGCCTTAATACAGGGACCATCACACAAGTCATTAAGTTTCTGAATCCACAGAAGCAACAGCTGCGAA  
TGGGATCAAGCTCACATATAATCACAAGGCTCGGCAATGCAAGATCTAGCAGAAGTGAACAATTTCC  
CCCTCAGTCTGGCA**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001301211  
**Insert Size:** 2469 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u>NM_001301211.1, NP_001288140.1</u>
<b>RefSeq Size:</b>	6882 bp
<b>RefSeq ORF:</b>	2469 bp
<b>Locus ID:</b>	11765
<b>UniProt ID:</b>	<u>P22892</u>
<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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p> <p>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>