

Product datasheet for **MC221618**

Ap1g2 (NM_007455) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap1g2 (NM_007455) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ap1g2
Synonyms:	Adtg; Adtg2; G2ad
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221618 representing NM_007455
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGTGCATTGCTTGGAGACTTCAGGACCTAATCGAAGAGATTCGCGGGGCCAAGACGCAGGCCCAGG
 AACGGGAGGTGATCCAGAAGGAGTGCGCCCAAATTCGGGCCTCCTTCCGGATGGGGATCCCTGCAGAG
 GCATCGCCAGCTGGCCAACTGCTCTACGTCCACATGTTGGGCTACCCCGCCACTTTGGACAGATGGAG
 TGCTGAAACTGATCGCCTCCCCAGATTCACAGACAAGAGGGTGGGCTACCTTGGGGCCATGCTTCTAT
 TGGATGAGAGGCACGATTCCTCTGCTCATCACCAACAGCATCAAGAATGACCTGAGCCAAGGGAACCA
 GCCAGTTCAAGGCCTGGCCCTGTGTACTCTGAGTACCATGGGCTCTGCTGAGATGTGCCGGGACCTAGCC
 CCTGAGGTGAAAAGCTGCTTCTGCAGCCAGTCCCTATGTGCGGAAGAAGGCTATTTTGACTGCAGTGC
 ACATGATCCGGAAGGACCCTGAGCTCTCCGGCATCTTCTCCACCTGTACCAAATGCTTCGTGAGCG
 TCATCATGGCATCCAGCTGGGCACAGTACGCTGATCACGGAGCTCTGTGAAAGAAACCTGCAGCCCTC
 AGGCACTTTCGCAAGGTAGTGCCGAGCTGGTACAGATCCTCCGACTCTGGTGACTACAGGATACTCCA
 CGGAGCACAGCATCTCTGGAGTCAGCGACCCCTTCTTGCAGGTCCAGATACTCCGCCTACTTCGGATCCT
 GGGACGGAACCATGAAGAAAGTAGCGAGACCATGAACGACTTGCTGGCCAGGTGCCACCAACACAGAC
 ACCAGCCGAAATGCAGGCAACGCTGTCTGTTGGAACAGTGTACCATCATGGCCATCCACTCTGCTG
 CTGGCCTCCGGGTTCTAGCTGTTAACATTTTGGTCGTTTCTTGCTCAACAATGACAAGAATATTAGGTA
 TGTGGCTCTGACATCATTGCTGCAGTGGTGCAGTCTGACCACAGTGTGTACAACGTACCAGGTCCTCA
 GTGGTGGAGTGTCTACAGGAAACGGACGCTCCCTTAGCAGGCGGGCCCTGGAGCTGAGCCTGGCTCTGG
 TGAACAGCTCCAATGTACGAGCCATGATGCAGGAGCTGCAGGCCCTTCTGGAGTCTGCCCCCTGATCT
 TCGGGCTGATTGTGCTCAGGCATTCTGTTGGCTGCGGAGAGGTTTGTCCAGCAAGCGATGGCACATA
 GACACCATCCTGCAGTCTGACCACGGCAGGAGCCCATGTGAGGGATGACGCAGTGGCCAACTGACCC
 AGCTGATTGGAGAGGCCGAGGAGCTGCATACCTACTCTGTGCGCCGTCTCTACAGTGCCTTAGCAGAGGA
 TATCTCCAGCAACCACTGGTTCAGGTGGCAGCCTGGTGCATTGGCGAGTATGGGGACCTCCTGCTGGAA
 GGTAAGTGTGAGGAGACGGAGCCTTTTCAGGTGGAAGAAGAGGACGTGCTAGCACTGCTGAAAAGGTGC
 TGCAGTCCCATATGTCCCTGCCAGCCACTCGGGGCTACGCCATCACAGCCCTCATGAAGCTGAGCACCCG
 ACTCCGGGGAGACAACAATCGTATTCGCCAGTGGTGTCCATCTACGGGAGCTGTGTGGACTTAGAGCTG
 CAACAGCGGGCTGTGGAGTATAACACACTTTCCAGAAGTACGACCACATGAGAGCCGCCATCCTAGAAA
 AGATGCCTCTGTAGAGCGTGGTACCCCCACGTTAAAGAGGGAGGGAAGGAGAAGCAAACGGAAGCCCA
 GCCCTTGGAAAGTACAGCCCTGCCCCACAGAACCCAGGCCACCAAATCTTAGATCTACTGGATCTC
 CTGGGTGACACTTCAGAGCCTCTCTCTTCTGGGCATGCCAGCATCTTCTCCTCAGACTCCTTCCCCAG
 GGAAGCCTTAATTCATCTCCTTGACCTTCCCTGTACACCGCCACCCCAAGCTCCATCCCCAGTGTGAG
 AGTGTGTTGAGCGTGAGGGCTACAGTGGATCTTCTTTCATGCGGCCCTTGGAGACCCCTGCTTTGCTC
 TTAGTCACTGCCACCACCAACTCCTCAAAGGAGGATGTTACCACTTCGTTTCCAGGCAGCTGTGC
 CCAAGAGTTTCCAGCTGCAGTTACAGGCCCCAGTGGGAACACAATTCAGCTCAGGGTGGTCTTCCCAC
 CACCCAGGTCTTCAGAATCCTCAATCCTAACAGGCACCTTTCGACTTAAGCTGCGCCTCACCTACAAC
 CACTCTGGCCAGCCAGTACAGGAGATCTTTGAGGTGGATAAAGTGCCTGTGGAGACGTGGCAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_007455
Insert Size: 2376 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:	<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_007455.5 , NP_031481.2
RefSeq Size:	2688 bp
RefSeq ORF:	2376 bp
Locus ID:	11766
UniProt ID:	O88512
Cytogenetics:	14 C3
Gene Summary:	<p>This gene encodes the gamma-2 subunit of the adaptor protein complex 1 (AP-1). AP-1 complex is a heterotetramer comprised of two heavy and one each of medium and small subunits. The encoded protein is a heavy subunit of AP-1 complex that regulates polarized sorting of cargo at the trans-Golgi network and endosomes. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>