

Product datasheet for **SC125671**

AP2M1 (BC013796) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP2M1 (BC013796) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP2M1
Synonyms:	AP50; CLAPM1; mu2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC013796 edited
 GGGCCGGCAGAGCAGGGGGCCGAGGACACCAGGTCTGTTCTCAGAGCGATGGGCCGCGGA
 GACTGATCTGCCGCCATGATTGGAGGCTTATTCATCTATAATCACAAGGGGGAGGTGCTC
 ATCTCCCAGTCTACCGAGATGACATCGGGAGGAACGCAGTGGATGCCTTTCGGGTCAAT
 GTTATCCATGCCCGGCAGCAGGTGCGCAGCCCCGTACCAACATTGCTCGCACCAGCTTC
 TTCCACGTTAAGCGGTCCAACATTTGGCTGGCAGCAGTCACCAAGCAGAATGTCAACGCT
 GCCATGGTCTTCGAATTCCTCTATAAGATGTGTGACGTGATGGCTGCCTACTTTGGCAAG
 ATCAGCGAGGAAAACATCAAGAACAATTTGTGCTCATATAGAGCTGCTGGATGAGATT
 CTAGACTTTGGCTACCCACAGAATTCGAGACAGGCGCGCTGAAAACCTTCATCACGCAG
 CAGGGCATCAAGAGTCAGACAAAAGAAGAGCAGTCACAGATCACCAGCCAGGTAAGTGGG
 CAGATTGGCTGGCGGCGAGAGGGTATCAAGTATCGTCGGAATGAGCTCTTCTGGATGTG
 CTGGAGAGTGTGAACCTGCTCATGTCCCCACAAGGGCAGGTGCTGAGTGCCCATGTGTGCG
 GGCCGGTGGTGTGAAGAGCTACCTGAGTGGCATGCCTGAATGCAAGTTTGGGATGAAT
 GACAAGATTGTTATTGAAAAGCAGGGCAAAGGCACAGCTGATGAAACAAGCAAGAGCGGG
 AAGCAATCAATTGCCATTGATGACTGCACCTTCCACCAGTGTGTGCGACTCAGCAAGTTT
 GACTCTGAACGCAGCATCAGCTTTATCCCGCCAGATGGAGAGTTTGAGCTTATGAGGTAT
 CGCACAACCAAGGACATCATCTTCCCTTCCGGGTGATCCCGCTAGTGCGAGAAGTGGGA
 CGCACAAACTGGAGGTCAAGGTGGTCAAGTCCAACCTTAAACCCTCACTGCTGGCT
 CAGAAGATTGAGGTGAGGATCCCAACCCCACTGAACACAAGCGGGGTGCAGGTGATCTGC
 ATGAAGGGGAAGGCCAAGTACAAGGCCAGCGAGAATGCCATCGTGTGGAAGATCAAGCGC
 ATGGCAGGCATGAAGGAATCGCAGATCAGCGCAGAGATTGAGCTTCTGCCTACCAACGAC
 AAGAAGAAATGGGCTCGACCCCCATTTCCATGAACTTTGAGGTGCCATTTCGACCCTCT
 GGCTCAAGGTGCGCTACTTTGAAGGTGTTTGAACCGAAGCTGAACTACAGCGACCATGAT
 GTCATCAAAATGGGTGCGCTACATTTGGCCGAGTGGCATTATGAAACTCGCTGCTAGCTG
 CCACTAGGCAGCTAGCCACCTCCCAGCCACCCTCCTCCACAGGTCCAGGTGCCGCTCC
 CTCCCCACCACACATCAGTGTCTCCTCCCTCCTGCTTTGCTGCCTTCCCTTTCACCAG
 CCCGAGTCTAGGTCTGGGCCAAGCACATTACAAGTGGGACCGGTGGAGCAGCCCCGGGC
 TCCCTGGGCAGGGGAGTTCTGAGGCTCCTGCTCTCCATCCACCTGTCTGTCTGGCCTA
 ATGCCAGGCTCTGAGTTCTGTGACCAAAGCCAGGTGGGTTCCCTTTCCTTCCCACCCTG
 TGGCCACAGCTCTGGAGTGGGAGGGTGGTTGCCCTCACCTCAGAGCTCCCCAAAGGC
 CAGTAATGGATCCCCGGCTCAGTCCCTACTCTGCTTTGGGATAGTGTGAGCTTCATTTT
 GTACACGTGTGACTTCGTCCAGTTACAAACCAATAAACTCTGTAGAGTGAAAAA
 AAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC013796 unedited
 TTCTGGATTTGTAATACGACTCTATATAGGGCGGCCGNAATCAAATCTGGTACCGGTC
 CGGAATTCGGGATATCGTCGACCCACGCGTCCGCCACGCGTCCGGGGCCGGCAGAGC
 AGGGGGCCGAGGACACCAGGTCTGTTCTCAGAGCGATGGCCCGGAGACTGATCTGCCG
 CCATGATTGGAGGCTTATTCATCTATAATCACAAGGGGGAGGTGCTCATCTCCCAGTCT
 ACCGAGATGACATCGGGAGGAACGCAGTGGATGCCTTTCGGGTCAATGTTATCCATGCC
 GGCAGCAGGTGCGCAGCCCCGTACCAACATTGCTCGCACCAGCTTCTTCCACGTTAAGC
 GGTCCAACATTTGGCTGGCAGCAGTCACCAAGCAGAATGTCAACGCTGCCATGGTCTTCG
 AATTCCTCTATAAGATGTGTGACGTGATGGCTGCCTACTTTGGCAAGATCAGCGAGGAAA
 ACATCAAGAACAATTTGTGCTCATATAGAGCTGCTGGATGAGATTCTAGACTTTGGCT
 ACCCACAGAATTCGAGACAGGCGCGCTGAANACCTTCATCACGCAGCAGGGCATCAAGA
 GTCAGACAAAAGAAGAGCAGTCACAGATCACCAGCCAGGTAAGTGGCAGATTGGCTGGC
 GGGCAGAGGGTATCAAGTATCGTCNGAATGAGCTTCTCCTGGATGTGCTGGAGAGTGTGA
 ACCTGCTCATGTCCCCACAGGGGAGGTGCTGAGTGCCCATGTGTGNGCCGGGTGGTGA
 TGAAGAGCTACCTGAGTGGCATGCCTGAAATGCAGGTTGGGATGAATNGACAGATTGTT
 ATTTGAAAAGCAGGGCANAGGCACAGCTGATGAAANNCAGCAGAGCGGGGAGCAATCCATT
 GCCATTGATGACTGCACCTTACCANTGTGTGCGACTCANCAGTTT

Restriction Sites:	Please inquire
ACCN:	BC013796
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:	BC013796.1 , AAH13796.1
RefSeq Size:	1867 bp
Locus ID:	1173
Cytogenetics:	3q27.1
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis, Huntington's disease
Gene Summary:	This gene encodes a subunit of the heterotetrameric coat assembly protein complex 2 (AP2), which belongs to the adaptor complexes medium subunits family. The encoded protein is required for the activity of a vacuolar ATPase, which is responsible for proton pumping occurring in the acidification of endosomes and lysosomes. The encoded protein may also play an important role in regulating the intracellular trafficking and function of CTLA-4 protein. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015]