

Product datasheet for **SC126263**

AP2M1 (BC014030) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP2M1 (BC014030) 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 BC014030 edited
 GGGCAGACGAGCAGGGGGCGGGCGGACATCTTGGGATCCGGAGAGTGCCGGGCCGGCAG
 AGCAGGGGGCCGAGGACACCAGGTCTGTTCTCAGAGCGATGGGCCGGGAGACTGATCTG
 CCGCCATGATTGGAGGCTTATTCATCTATAATCACAAGGGGGAGGTGCTCATCTCCCGAG
 TCTACCGAGATGACATCGGGAGGAACGCAGTGGATGCCTTTCGGGTCAATGTTATCCATG
 CCCGGCAGCAGGTGCGCAGCCCCGTACCAACATTGCTCGCACCAGCTTCTTCCACGTTA
 AGCGGTCCAACATTTGGCTGGCAGCAGTCACCAAGCAGAATGTCAACGCTGCCATGGTCT
 TCGAATTCTCTATAAGATGTGTGACGTGATGGCTGCCTACTTTGGCAAGATCAGCGAGG
 AAAACATCAAGAACAATTTTGTGCTCATATATGAGCTGCTGGATGAGATTCTAGACTTTG
 GCTACCCACAGAATTCGAGACAGGCGCGCTGAAAACCTTCATCACGCAGCAGGGCATCA
 AGAGTCAGCATCAGACAAAAGAAGAGCAGTCACAGATCACCAGCCAGGTAAGTGGCAGA
 TTGGCTGGCGGCGAGAGGGTATCAAGTATCGTCGGAATGAGCTTCTCCTGGATGTGCTGG
 AGAGTGTGAACCTGCTCATGTCCCACAAGGGCAGGTGCTGAGTGCCATGTGTCGGGCC
 GGGTGGTGTGAGAGCTACCTGAGTGGCATGCCTGAATGCAAGTTTGGGATGAATGACA
 AGATTGTTATTGAAAAGCAGGGCAAAGGCACAGCTGATGAAACAAGCAAGAGCGGGAAGC
 AATCAATTGCCATTGATGACTGCACCTTCCACCAGTGTGTGCGACTCAGCAAGTTTGACT
 CTGAACGCAGCATCAGCTTTATCCCGCCAGATGGAGAGTTTGAGCTTATGAGGTATCGCA
 CAACCAAGGACATCATCCTTCCCTTCCGGGTGATCCCCTAGTGCAGAAAGTGGGACGCA
 CCAAACCTGGAGGTCAAGTGGTCAAGTCCAACCTTAAACCTCACTGCTGGCTCAGA
 AGATCGAGGTGAGGATCCCAACCCCACTGAACACAAGCGGGTGCAGGTGATCTGCATGA
 AGGGGAAGGCCAAGTACAAGGCCAGCGAGAATGCCATCGTGTGGAAGTCAAGCGCATGG
 CAGGCATGAAGGAATCGCAGATCAGCGCAGAGATTGAGCTTCTGCCTACCAACGACAAGA
 AGAAATGGGCTCGACCCCCCATTTCCATGAACTTTGAGGTGCCATTTCGGCCCTCTGGCC
 TCAAGGTGCGCTACTTGAAGGTGTTTGAACCGAAGCTGAACTACAGCGACCATGATGTCA
 TCAAATGGGTGCGCTACATTGGCCGCAAGTGGCATTATGAAACTCGCTGCTAGCTGCCAC
 TAGGCAGCTAGCCCACTCCCAGCCACCTCCTCCACAGGTCCAGGTGCCGCTCCCTCC
 CCCACCACACATCAGTGTCTCCTCCCTCCTGCTTGTGCTTCCCTTTCACCAGCCCCG
 AGTCTAGGTCTGGGCCAAGCACATTACAAGTGGGACCGGTGGAGCAGCCCTGGGCTCCC
 TGGGCAGGGGAGTTCTGAGGCTCCTGCTCTCCATCCACCTGTCTGTCTGGCCTAATGC
 CAGGCTCTGAGTCTGTGACCAAAGCCAGGTGGGTTCCCTTTCCTTCCCACCCCTGTGGC
 CACAGCTCTGGAGTGGGAGGTTGGTTGCCCTCACCTCAGAGCTCCCCAAAGGCCAGT
 AATGGATCCCCGGCCTCAGTCCCTACTCTGCTTTGGGATAGTGTGAGCTTCAATTTGTAC
 ACGTGTGACTTCGTCCAGTTACAAACCAATAAACTCTGTAGAGTGGAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC014030 unedited
 GGGTTTAGATTTGTATACGACTTACTATAGGCGGCCGCGNATTCANATCTGGTACCGGT
 CGGAATTCGCGGATATCGTCGACCCACGCGTCCGCCACGCGTCCGGGGCCGGCAGAGC
 AGGGGGCCGAGGACACCAGGTCTGTTCTCAGAGCGATGGGCCGGGAGACTGATCTGCCG
 CCATGATTGGAGGCTTATTCATCTATAATCACAAGGGGGAGGTGCTCATCTCCGAGTCT
 ACCGAGATGACATCGGGAGGAACGCAGTGGATGCCTTTCGGGTCAATGTTATCCATGCC
 GGCAGCAGGTGCGCAGCCCCGTACCAACATTGCTCGCACCAGCTTCTTCCACGTTAAGC
 GGTCCAACATTTGGCTGGCAGCAGTCACCAAGCAGAATGTCAACGCTGCCATGGTCTTCG
 AATTCTCTATAAGATGTGTGACGTGATGGCTGCCTACTTTGGCAAGATCAGCGAGGAAA
 ACATCAAGAACAATTTTGTGCTCATATATGAGCTGCTGGATGAGATTCTAGACTTTGGCT
 ACCCACAGAATTCGAGACAGGCGCGCTGAAAACCTTCATCACGCAGCAGGGCATCAAGA
 GTCAGACAAAAGAAGAGCAGTCACAGATCACCAGCCAGGTAAGTGGGAGATTGGCTGGC
 GGCGAGAGGGTATCAAGTATCGTCGGAATGAGCTTCTCCTGGATGTGCTGGAGAGTGTGA
 ACCTGCTCATGTCCCACAAGGGCAAGTGTGAGTGCCATGTGTGCGGCCGGGTGGTGA
 TGAAGAGTACCTGAGTGGCATGCCTGAATGCAAGTTGGGGATGAATGACAAGATTGTTA
 TTGAAAAACAGGGCAAGGCACCGCTGGAGAAAACAAGCAAGACGGGAAGCAATCAATGCCA
 TTGGT

Restriction Sites:	Please inquire
ACCN:	BC014030
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:	BC014030.1 , AAH14030.1
RefSeq Size:	1939 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]