

Product datasheet for **SC314986**

AP2 alpha (AP2A1) (NM_130787) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP2 alpha (AP2A1) (NM_130787) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP2 alpha
Synonyms:	ADTAA; AP2-ALPHA; CLAPA1
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_130787, the custom clone sequence may differ by one or more nucleotides

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ATGCCGGCCGTGTCCAAGGGCGATGGGATGCGGGGGCTCGCGGTGTTTCATCTCCGACATC
CGGAACTGTAAGAGCAAAGAGGGCGAAATTAAGAGAATCAACAAGGAACTGGCCAACATC
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GCCAGCCGCAACCCACCTTCATGTGCCTGGCCCTGCACTGCATCGCAACGTGGGCAGC
CGGGAGATGGGCGAGGCCTTTGCCGCTGACATCCCCCGCATCCTGGTGGCCGGGACAGC
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CTTCGGCTGGAGCCCAATGCCAGGCCAGATGTACCGGCTGACCTGCGCACCGACGAAAG
GAGCCCGTCTCCCGTACCTGTGTGAGCTGCTGGCACAGCAGTTC
    
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Restriction Sites:	Please inquire
ACCN:	NM_130787
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_130787.2 , NP_570603.2
RefSeq Size:	3433 bp
RefSeq ORF:	2868 bp
Locus ID:	160
UniProt ID:	O95782
Cytogenetics:	19q13.33
Protein Pathways:	Endocytosis, Huntington's disease
Gene Summary:	<p>This gene encodes the alpha 1 adaptin subunit of the adaptor protein 2 (AP-2) complex found in clathrin coated vesicles. The AP-2 complex is a heterotetramer consisting of two large adaptins (alpha or beta), a medium adaptin (mu), and a small adaptin (sigma). The complex is part of the protein coat on the cytoplasmic face of coated vesicles which links clathrin to receptors in vesicles. Alternative splicing of this gene results in two transcript variants encoding two different isoforms. A third transcript variant has been described, but its full length nature has not been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks a 66 nt internal exon but maintains the reading frame, as compared to variant 1. Isoform 2 lacks 22 internal aa as compared to isoform 1.</p>