

Product datasheet for **SC109068**

AP2S1 (NM_004069) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP2S1 (NM_004069) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP2S1
Synonyms:	AP17; CLAPS2; FBH3; FBH0k; HHC3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109068 sequence for NM_004069 edited (data generated by NextGen Sequencing)

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ATGATCCGCTTTATCCTCATCCAGAACCGGGCAGGCAAGACGCGCCTGGCCAAGTGGTAC
ATGCAGTTTGATGATGATGAGAAACAGAAGCTGATCGAGGAGGTGCATGCCGTGGTCACC
GTCCGAGACGCCAAACACACCAACTTTGTGGAGTTCGGAACTTTAAGATCATTTACCGC
CGCTATGCTGGCCTCTACTTCTGCATCTGTGTGGATGTCAATGACAACAACCTGGCTTAC
CTGGAGGCCATTCAACTTCGTGGAGGTCTTAAACGAATATTTCCACAATGTCTGTGAA
CTGGACCTGGTGTCAACTTCTACAAGGTTTACACGGTCGTGGACGAGATGTTCCCTGGCT
GGCGAAATCCGAGAGACCAGCCAGACGAAGGTGCTGAAACAGCTGCTGATGCTACAGTCC
CTGGAGTGA
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Clone variation with respect to NM_004069.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004069 unedited TGTTCGAATTTTGTNATACGACTCACTTATAGGGCGGCCGCGATTTCGGCACGAGGCTACA ACTGCACCCTGAGCCGGAGCTGCCAGTCGCCCGGGACCGGGGCGCTGGGGTCTGGAC GGGGTTCGCCATGATCCGCTTTATCCTCATCCAGAACCGGGCAGGCAAGACGCGCCTGGC CAAGTGGTACATGCAGTTTATGATGATGATGACAAACAGAAGCTGATCGAGGAGGTGCATGC CGTGGTACCCTCCGAGACGCCAAACACACCAACTTTGTGGAGTCCGGAACCTTAAAGT CATTTACCGCCGCTATGCTGGCCTCTACTTCTGCATCTGTGGATGTCAATGACAACAA CCTGGCTTACCTGGAGGCCATTCACAACCTCGTGGAGGTCTTAAACGAATATTTCCACAA TGTCTGTGAACCTGGACCTGGTGTCAACTTCTACAAGTTTACACGGTCTGGACGAGAT GTTCTGGCTGGCGAAATCCGAGAGACCAGCCAGACGAAGGTGCTGAAACAGCTGCTGAT GCTACAGTCCCTGGAGTGAGGGCAGGCGAGCCCCACCCCGCCCCGGCCCTCCTGGACT CACCTGCTCGCTCCCCTCCCAGGCCGTGGCCAACCCAGCAGTCTTCTCCTCAGCTG CCTAGGAGGAAGGGACCCAGCTGGGTCTGGCCACAAAGGAGGAGACTGCACCCACTGC CTCTGGGCCCTGGCTGTGGGCAGAAGCCACCGTGTGTGCTCCGAGTAACCGTGCCGTTGT CGCGTGATGCCCTAACCGTCTGTGCGTGAAGTCCCAATAAACTGNGGTCTGCCTGGCA AAAAAAAAAAAAAAAAAATTGATTTACATGTGGCCGCGGTATAACTGTTTCTGAAAAACCCG GGGGATCTC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004069 unedited TGACCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGGCAGGCAGGACCAC AGGTTTATTGGGACTCCACGCACAGACGCTTATGGCATCACACGACAACGGCACGGTTA CTCGGGACACACCGGTGGCCTCTGCCACAGCCAGGGCCAGAGGCAGTGGGGTGCAGT CTCCTCCCTTGTGGCCAGACCCAGCTGGGTCCCTTCTCCTAGGCAGCTGAGGGAAGGA CTGCTGGGTTGGCCACGGGCCTGGGAAGGGGAAGCGAGCAGGCGAGTCCAGGAGGGGCCG GGCCGGGGTGGGCTCGCCTGCCTCACTCCAGGGACTGTAGCATCAGCAGCTGTTTCA GCACCTTCGTCTGGCTGGTCTCTCGGATTTCCGACCCAGGAACATCTCGTCCACGACCG TGTAACCTTGTAGAAGTTGAACACCAGGTCCAGTTCACAGACATTGTGGAAATATTCGT TTAAGACCTCCACGAAGTTGTGAATGGCCTCCAGGTAAGCCAGGTTGTTGTCATTGACAT CCACACAGATGCAGAAGTAGAGGCCAGCATAGCGGCGGTAATGATCTTAAAGTCCGGA ACTCCACAAAGTTGGTGTGTTTGGCGTCTCGGACGGTGACCACGGCATGCACCTCCTCGA TCAGTTCTGTTTCTCAAATCATCAAATGCATGTACCCTTGGCCAGGCGCGTCTTGCC TGCCCGTTCTGGATGAGGATAAAGCGATCATGGNGACCCCGTCCAGACCCAGCGGNNC CCGTCCCGGGNGACTGGGCAGCNTCGTTCAGGGTGCANTTGTAGCCTCGTGCCGATTCCG CGGGGCGCTATAATGAGTCGTATACAAAATCTGACGGGTCACTAACGAGCTTGCTATAT TAGACTNCCACGTACAGCCTACGGCA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_004069
Insert Size:	780 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:

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_004069.3](#), [NP_004060.2](#)

RefSeq Size: 890 bp

RefSeq ORF: 429 bp

Locus ID: 1175

UniProt ID: [P53680](#)

Cytogenetics: 19q13.32

Domains: Clat_adaptor_s

Protein Pathways: Endocytosis, Huntington's disease

Gene Summary: One of two major clathrin-associated adaptor complexes, AP-2, is a heterotetramer which is associated with the plasma membrane. This complex is composed of two large chains, a medium chain, and a small chain. This gene encodes the small chain of this complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Transcript Variant: This variant (AP17) contains an alternate 5' terminal exon and initiates translation at an alternate start codon, compared to variant 3. It encodes isoform AP17, which has a shorter and distinct N-terminus, compared to isoform 3.