

Product datasheet for SC109070

AP2S1 (NM_021575) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP2S1 (NM_021575) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP2S1
Synonyms:	AP17; CLAPS2; FBH3; FBH0k; HHC3
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF sequence for NM_021575 edited ATGATCCGCTTTATCCTCATCCAGAACCGGCAGGCAAGACGCGCCTGGCCAAGTGGTAC ATGCAGTTTGATGATGATGAGAAACAGAAGCTGATCGAGGAGGTGCATGCCGTGGTCACC GTCCGAGACGCCAAACACACCAACTTTGTGGAGTTCGGAACTTTAAGATCATTTACCGC CGCTATGCTGGCCTCTACTTCTGCATCTGTGTGGATGTCAATGACAACAACCTGGCTTAC CTGGAGGCCATTCAACTTCGTGGAGGTCTTAAACGAATATTTCCACAATGTCTGTGAA CTGGACCTGGTGTCAACTTCTACAAGGTTTACACGGTCGTGGACGAGATGTTCTCGCT GGCGAAATCCGAGAGACCAGCCAGACGAAGGTGCTGAAACAGCTGCTGATGCTACAGTCC CTGGAGTGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021575 unedited GGGGTTTAGATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCGGGGACC GGGGCCGCTGGGGTCTGGACGGGGTCCGCATGATCCGCTTTATCCTCATCCAGAACCGG GCAGGCAAGACGCGCCTGGCCAAGTGGTACATGCAGTTTGATGATGATGAGAAACAGAAG CTGATCGAGGAGGTGCATGCCGTGGTACCCTCCGAGACGCCAAACACACCAACTTTGTG GAGTTCGGAACTTTAAGATCATTTACCGCCGCTATGCTGGCCTCTACTTCTGCATCTGT GTGGATGTCAATGACAACAACCTGGCTTACCTGGAGGCCATTCAACTTCGTGGAGGTC TTAAACGAATATTTCCACAATGTCTGTGAAGTGGACCTGGTGTCAACTTCTACAAGGTT TACACGGTCGTGGACGAGATGTTCTGGCTGGCGAAATCCGAGAGACCAGCCAGACGAAG GTGCTGAAACAGCTGCTGATGCTACAGTCCCTGGAGTGAGGGCAGGCGAGCCCCACCCCG GCCCCGGCCCCCTCTGGACTCGCTGCTCGCTTCCCCTTCCCAGGCCCGTGGCCAACCCA GCAGTCCCTCCCCTCAGCTGCCTAGGAGGAAGGGACCCAGCTGGGTCTGGGCCACAAGGGA GGAGACTGCACCCCACTGCCTCTGGGCCCTGGCTGTGGGCAGAGGCCACCGTGTGTGTC CGATAACCGTGCCGTTGTCGTGTGATGCCATAAGCGTCTGTGCGTGGAGTTCCCCATAAA CCTGTGGTCTGCNNNAANNNNNNNNNNNNNNNNNNNNTTTTCNNNCTTTTTCNTNNCNTT TTTTNTTTTTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTCCN
Restriction Sites:	NotI-NotI



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ACCN:	NM_021575
Insert Size:	1100 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_021575.2 , NP_067586.1
RefSeq Size:	776 bp
RefSeq ORF:	315 bp
Locus ID:	1175
UniProt ID:	P53680
Cytogenetics:	19q13.32
Domains:	Clat_adaptor_s
Protein Pathways:	Endocytosis, Huntington's disease
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (AP17delta) contains an alternate 5' terminal exon, initiates translation at an alternate start codon and lacks an alternate in-frame exon in the coding region, compared to variant 3. It encodes isoform AP17delta, which is shorter and has a distinct N-terminus, compared to isoform 3.</p>