

## Product datasheet for **SC123102**

### AP1S1 (NM\_057089) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AP1S1 (NM_057089) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP1S1
Synonyms:	AP19, CLAPS1, SIGMA1A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_057089 edited GTGGGACGCGCCGAGCCGAGGCTGCAGGATGATGCGGTTTCATGCTATTATTCAGCCGGC AGGGAAAACCTGCGGCTGCAAAAATGGTACCTGGCCACTTCGGACAAGGAACGGAAGAAGA TGGTGCAGGAGCTCATGCAGTTGCTGCTCGAAAGCCCAAGATGTGCAGTTCTGG AGTGGAGGGACCTCAAAGTTGTCTATAAGAGATATGCCAGCCTCTACTTCTGCTGCGCCA TCGAGGGCCAAGACAATGAGCTCATCAGCTGGAGCTGATCCACCGATACGTGGAGCTCT TAGACAAATACTTTGGCAGTGTGTGCGAGCTGGACATCATCTTCAACTTTGAGAAGGCT ACTTCATCCTGGATGAGTTTTTGTGAGGGGGGGATGTCCAGGACACCTCCACTTTCCCT TTTCCCACTGAAGTTTTAGAAGCTAGGAGGCAGGAAAATGTGACCCAGATGGGGTGCT ATTTGGCTTTTATCCCTGCCTTTGCAGAACTGATGTCACCCAGATGTCCTTCCCTCCC TAATAACTGTAATATATAAATATGTCAGGTTAAAGGGAAAAGGTGTTCCAGGGCACTTCT TGTCTCTCTGTCCATAACCTACCTCCACCCTCCCCCTAGCCAGCCAGGCACTTCTCT GCCTGGGAGGGGAGCCTGGACCCCTCTTCTCCTTGGCTGCAGTGGGGCCTTTATCCA GTGCCAGGGAGGAACAACATAGTTAATTTTTTCTAACCTTGCCACTTTGAGGGAAGGAA GGGTTGGGGGAAGGGCAAGCTTTATGGGACCCTGGTCTGGCCCTGGCCTTTCACTCCAG TTCTGGGTGAGGCAGGAGCTGGGAGGGTGGGGAGGGGGAGGGGAAAGTGTCTGCCTTTA TGTCTTTCTTCTGAAATAAAGGAAAAGCATTCTGGAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_057089 unedited AAAAACTGCAGGATTTGTAAACGACTTACTATAGGCGGCCGCGNAATTCGCACNGGGTG GGACGCGCCGAGCCGGNAGCTGCAGGATGATGCGGTTCATGCTATTATTCAGCCGGCAGG GAAAACTGCGGCTGCAAAAATGGTACCTGGCCACTTCGGACAAGGAACGGAAGAAGATGG TGCGCGAGCTCATGCAGGTTGCCTGGCTCGAAAGCCCAAGATGTGCAGCTTCTGGAGT GGAGGGACCTCAAAGTTGTCTATAAGAGATATGCCAGCCTCTACTTCTGCTGCGCCATCG AGGGCCAAGACAATGAGCTCATCACACTGGAGCTGATCCACCGATACGTGGAGCTTTAG ACAAATACTTTGGCAGTGTGTGCGAGCTGGACATCATCTTCAACTTTGAGAAGGCCTACT TCATCCTGGATGAGTTTTTGTATGGGGNGGGATGTCCAGGACACCTCCACTTTCCCTTT TCCCACTGAAGGTTTTAGAAGCTAGGAGGCAGGAAAATGTGACCCAGATGGGGTGTCTAT TTGGCTTTTATCCCTGCCTTTGCAGAACTGATGTACCCAGATGTCCTTCCCTCCCTA ATAAGTAAATATATAAATATGTCAGGTTAAAGGAAAAGGTGTTGAGGGCACTTCTTG TCCTCTGTCCATAACCTACCTCCACCCTCCCCTAGCCAGCCAGGCAGCTTCTCTGC CTGGGAGGGGAGCCTGGACCCCTCTTCTCCTTGCTGCAGTGGGGCCTTTATCCAGT GCCAGGGAGGAACAACATAGTTAATTTTTTCTAACCTTGCCACTTTGAGGGAAGAAGGG TTGNGNGGAAGGGCAAGCTTATGGGACCCT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_057089
<b>Insert Size:</b>	958 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_057089.1</a> , <a href="#">NP_476430.1</a>
<b>RefSeq Size:</b>	958 bp
<b>RefSeq ORF:</b>	402 bp
<b>Locus ID:</b>	1174
<b>Cytogenetics:</b>	7q22.1
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Lysosome

**Gene Summary:**

The protein encoded by this gene is part of the clathrin coat assembly complex which links clathrin to receptors in coated vesicles. These vesicles are involved in endocytosis and Golgi processing. This protein, as well as beta-prime-adaptin, gamma-adaptin, and the medium (mu) chain AP47, form the AP-1 assembly protein complex located at the Golgi vesicle.

[provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) contains an alternate 3' region including a part of the coding sequence, when compared to variant 1. The encoded protein thus has a shorter, alternate C-terminus, as compared to isoform 1.