

Product datasheet for **SC119323**

AP3S1 (NM_001284) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP3S1 (NM_001284) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP3S1
Synonyms:	CLAPS3; Sigma3A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119323 sequence for NM_001284 edited (data generated by NextGen Sequencing)

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ATGATCAAGGCGATCCTAATCTTCAACAACCCACGGGAAGCCGCGCTCTCCAAGTCTAC
CAGCCCTACAGTGAAGATACACAACAGCAAATCATCAGGGAGACTTTCCATTTGGTATCT
AAGAGAGATGAAAATGTTTGTAATTTCCCTAGAAGGAGGATTATTAATTGGAGGATCTGAC
AACAACTGATTTATAGACATTATGCAACGTTATATTTTGTCTTGTGTGGATTCTTCA
GAAAGTGAACCTGGCATTTTAGATCTAATTCAAGTATTTGTGGAAACATTAGACAAATGT
TTTGAAAATGTCTGTGAGCTGGATTTGATTTTCCATGTAGACAAGGTTTACAATATTCTT
GCAGAAATGGTGATGGGGGAATGGTATTGGAGACAAATATGAATGAGATTGTTACACAA
ATTGATGCACAAAATAAGCTGGAAAAATCTGAGGCTGGCTTAGCAGGAGCTCCAGCCCGT
GCTGTATCAGCTGTAAAGAATATGAATCTTCTGAGATCCAAGAAATATTAACATTGGT
GACATCAGTATAAAAAGTGCCAAACCTGCCCTCTTTTAAATAA
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Clone variation with respect to NM_001284.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001284 unedited NTTGTCGNAATTTGTATACGACTCCTATAGGCGGCCGCGNAATCGGCACGAGNACCCGGT CGGCCCGGCACAGCCATGATCAAGGCGATCCTAATCTTCAACAACCACGGGAAGCCGCGG CTCTCCAAGTTCTACCAGCCCTACAGTGAAGATACACAACAGCAAATCATCAGGGAGACT TTCCATTTGGTATCTAAGAGAGATGAAAATGTTTGTAAATTTCTAGAAGGAGGATTATTA ATTTGGAGGATCTGACAACAACTGATTTATAGACATTATGCAACGTTATATTTTGTCTTC TGTGTGGATTCTTCAGAAAGTGAACCTTGGCATTTTAGATCTAATCAAGTATTTGTGGAA ACATTAGACAAATGTTTTGAAAATGTCTGTGAGCTGGATTTGATTTTCCATGTAGACAAG GTTCACAATATTCTTGCAGAAATGGCGATGGGGGGAATGGCATTGGAGACAAATATGAAT GAGATTGCTACACAAATTGATGCACAAAATAAGCTGGAATACTGAGGCTGGCTTAGCA GGAGCTCCAGCCCGTGTGTATCAGCTGTAAAGAATATGAATCTTCTGAGATCCCAAGA AATATTAACATTGGTGACATCAGTATAAAAGTGCCAAACCTGCCCTCTTTACATAAAAA TGTA AAAAGGCCACTCCCAGGTA AAAATCCCAGGGGAAGAGTCATCTAAGTTTACCATGCA GCTGTTTACCACAAATAGAGGAGGAGAGTCTTAACCTTCGCTCCTGGATTTAAGCCAAGT ACTGCATACAAGCTGCGTAAAACCAGCATGAAAGCTCCATGCTGTGTTCTTGTCTCAGGG ATTCTAAGAAATGGATAGTTCCCATGCGATCTTTTTTCTTCTAACTGATTCTCTGTGC CACT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001284 unedited GAGTCGAGTTTTTTTTTTTTTTTTTAAATAGTGATAAAAATACTTTTATTTACTTTGTT GAGTCAGAGGGTGTAAAAAAATTTATTGCTAAAGTAGATATCAGGCAACAGAAAGGTG CTTTAGAAGTCCAGTTACCTTGGAGTTTATTTAACTAAGAGAAAAAGTCATAATGTTT TCATGCAATACATACTTGGTTCTCCAAATAACAACCTGTGTGACATATAGCAGAAGGAATT AAGGAATGCTGCACTTGTGATCCATACAAAACCAACATTTTAGGTTGTACATAATTAG AGAAATATCTGAAACACTTTTTAAAACACTGTAGTAGCCAATACATAGAGGCATGCCGTA GGTGGGCACAGGAATGCAGTTTAGAAAAGAAAAAAAATCACATAGGAACTACTCAATT TCTTTAAATCACTGAGCAAGAACAGCAACATTGAACTTTTATACTGATTTTACACAAC TCTATACAGTACCTTGACTTAAATCCAAGAGCAAAAAGTTAAGACTCTCCTCCTCTATTTT TGTAACAACATGCATGGTACACTTAGATGACTCTTCCCCTGGATTTTACCTGGGAGTGG CCTTTTACATTTTTATTTAAAGAAGGCAGGTTTGGCACCTTTTACTGATGTCACCAAT GTTATAATTCCTGGGATCTTAGGAAGAATCATATTTTACAGCTGATCAGCACGGGCTG GAGCTCCTTGTACCAGCCTCAGATTTTCCAGCTTATTTTGGCATATTTGGGTACCAACT ATTATATTTGCTTCAATACATTCCTCCCATACCATTTTTGAGAATTTGTGAACCTGTTAT TGGAAATCAATCCCGTCCAGACATTTAACTTTGTCTTGGTTTCCAAATCCTTGATATAT TTAAGGCCACTCCTTCTTGAGATCCCACCGAAAAAATTACGCGGCTAGGGTTAACAATC TGTGGCAACCCACTTAAATTCCTTTCAGAAAAACTTCTCTTCTAAACCAAGAAGCCCCG GGATGCGTGGCTTACTG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001284
Insert Size:	1260 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_001284.2](#), [NP_001275.1](#)

RefSeq Size: 1313 bp

RefSeq ORF: 582 bp

Locus ID: 1176

UniProt ID: [Q92572](#)

Cytogenetics: 5q22.3-q23.1

Domains: Clat_adaptor_s

Protein Families: Druggable Genome

Protein Pathways: Lysosome

Gene Summary: This gene encodes a subunit of the AP3 adaptor complex. This complex functions in the formation of subcellular vesicles budded from the Golgi body. Several related pseudogenes of this gene have been found. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (1) lacks an alternate in-frame exon in the 3' end compared to variant 7. The resulting isoform (1) has the same N- and C-termini but is shorter compared to isoform 7.