

Product datasheet for **SC106189**

AP3S2 (AL110108) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP3S2 (AL110108) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP3S2
Synonyms:	AP3S3; sigma3b
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AL110108, the custom clone sequence may differ by one or more nucleotides

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CTGAGAGAACCGTGGCTGGCAAAGATGATTCAGGCGATTCTGGTTTTCAACAACCATGGGAAGCCACGGC
TAGTCCGCTTCTACCAGCGTTTCCANAAGAAATTCACAGCAGATTGTTGAGAGACTTCCATCTANT
CCTCAAGCGGGATGACAACATCTGTAACCTCTGGAGGGTGAAGTTTGATTGGTGGCTCTGACTACAAA
CTGATCTACCGGCACTATGCTACCCTCTACTTTGTATTTTGTGTGGATTCTCAGAGAGTGAACCTGGAA
TCTTGGACCTCATCCAGTTTTTGTGAAACTCTGGATAAGTGTTCGAAAATGTGTGTGAATTGGATTT
GATCTTCCATATGGATAAGGTGCACTACATCCTCCAGGAAGTGGTGTGGTGGGATGGTGTGGAAACA
NACATGAATGAAATCGTGGCTCANATTGAGGCTCAAAACANGCTGGGAGAAATCCCGAAGGGTGGCCTTT
CAGCAGCCCTGGCGCGGGCTGTGTCCTGCTGTGAAAAAACATCAAACCTGGCCAAGAGAATTCCTCCG
GAACATCAACAATTGGGCGATTTTCAACATCAAAAGTTCCCAAACCT
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AL110108 unedited</p> <pre>TACCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAG AGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGAA TTCGGCACGAGGCTTTCTGGGAGTAGCCGGTCTGAGAGAACCGTGGCTGGCAAAGATGA TTCAGGCGATTCTGTTTTCAACAACCATGGGAAGCCACGGCTAGTCCGTTCTACCAGC GTTTCCCAGAAGAAATTCACAGCAGATTGTTTCGAGAGACTTCCATCTAGTCCTCAAGC GGGATGACAACATCTGTAACTTCTGGAGGGTGGAAAGTTTGATTGGTGGCTCTGACTACA AACTGATCTACCGCACTATGCTACCCTCTACTTTGTATTTTGTGTGGATTCTCAGAGA GTGAACCTTGAATCTTGACCTCATCCAGTTTTTGTGGAACTCTGGATAAGTGTTCG AAAATGTGTGTAATTGGATTTGATCTTCCATATGGATAAGGTGCACTACATCCTCCAGG AGGTGGTGTGGGATGGGATGGTGTGGAAACAACATGAATGAATCGTGGCTCAGATTGAN GCTCANAACANGCTGNAGAAAATCGAGGNNNGCCTTTCAGCAGNCCCTGCGCGGGCTGTG TCTGCTGTGNAAAACATCACCTGCCAGAGATCCCTCGAAACATCACATTNGCGATCTCA ACATCAAATCCCAACTGTCCCAGTTGTCTGAGATCAAGTATGNCCTGAATAGAGTCC TTAGACCAGCAAGACAAGCAGGCAGCCCGTCTGGAAACGACCNATTTGGGAGCTAGAGAA TCAAGCCTCAGACTGNAAACTTGGTCTGGAAACTGTTTGCATGAATAGAAGGATCCTTTG ACCTGCTGGTGCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	AL110108
Insert Size:	2800 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:	AL110108.1
RefSeq Size:	607 bp
RefSeq ORF:	607 bp
Locus ID:	10239
Cytogenetics:	15q26.1
Domains:	Clat_adaptor_s
Protein Pathways:	Lysosome

Gene Summary:

Part of the AP-3 complex, an adaptor-related complex which is not clathrin-associated. The complex is associated with the Golgi region as well as more peripheral structures. It facilitates the budding of vesicles from the Golgi membrane and may be directly involved in trafficking to lysosomes. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals.
[UniProtKB/Swiss-Prot Function]