

Product datasheet for **SC331895**

alpha Adaptin (AP2A2) (NM_001242837) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	alpha Adaptin (AP2A2) (NM_001242837) Human Untagged Clone
Tag:	Tag Free
Symbol:	alpha Adaptin
Synonyms:	ADTAB; CLAPA2; HIP-9; HIP9; HYPJ
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331895 representing NM_001242837.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCCGGCCGTGCCAAGGGGACGGGATGCGGGGCTGGCGGTCTTCATCTCGGATATCCGCAACTGT
 AAAAGTAAAGAAGCAGAAATAAAAAGGATAAACAAGGAAGTGGCAATATCAGATCAAAATTTAAAGGT
 GACAAGGCTCTTGATGGCTATAGTAAAAAAGTACGTCTGCAAGTTGCTCTTCATCTTTCCCTTGTT
 CATGACATTGACTTGGACACATGGAGGCTGTGAACCTGCTGAGTTCAAACAGATACACGGAAAAGCAG
 ATCGGCTACCTTTTCATCTCTGTGTTGGTGAACCTCAAACAGTGAGCTGATCCGCCTGATCAACAACGCC
 ATCAAGAATGACCTGGCCAGCCGCAACCCACCTTCATGGGCCTGGCCCTGCACTGCATCGCCAGCGTG
 GGCAGCCGGGAGATGGCCGAGGCCCTTCGCCGGGAGATCCCTAAGGTCTCGTAGCCGGAGACACTATG
 GACAGCGTGAAGCAGAGCGCGGCCCTGTGCTTGTGCGCTGTACAGGACGTCCCCGATCTTGTCCCC
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 TCTAGGCTAAGCAGAATCGTGACGTCTGCATCCACAGATCTCCAGGATTACACTTACTATTTTGTCCCG
 GCTCCCTGGCTGTCTGTCAAACCTGCTGAGACTGCTGCAGTGTACCCACCCCAAGAACCTGCAGTG
 CGAGGCCGCTGACTGAGTGCCTGGAGACCATCCTGAACAAAGCCCAAGAACCAGCCCAAGTGAAGAAG
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 CCGGAGGTGAAGCCACCATCCAGGACGTGCTGCGCAGCGACAGCCAGCTCAGGAACGCAGAGCTGGAG
 CTGCGAGCAGCGTGTGGAGTACCTGCGGCTCAGCACCGTGGCCAGCACCAGATTCTGGCGACCGTG
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 CCCAGCAGGTGACAGACCTGGAGGACCAAGCGGGACAGGAGTGTGGAGTGAACGGGGTCTGAG
 CCTGCCCCAGCCAGTACCAGCGCCGTGCTACGCCTTCTCCGTGCGCAGACCTGCTGGGTCTCGGGGCT
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 GACTCGGCCTCTGTGGTGCAGCCTCTCGCTCCTGGCTCCGAAGACAACCTTGGCAGGTTTGTGTTAAA
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 GGTCCGATGTTTATCTTTATGTAATAAGACCTCCACGAGTTCCTAACTTTACCCCAACACTAATC
 TGTTCCAGACGACCTTACGCTAACCTGAACCTGCAGACCAAGCCCGTGGACCCGACCGTGGAGGGGGC
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 CAGCCGACAGAAATGGCTTCTCAGGATTTCTTCAACGTTGGAAGCAGTTGAGCAATCCACAGCAGGAA
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 GGTCTGCACTTCTGAAGAAGTTGATCCTAATCCTGCGAATTTGTTGGGAGCTGGAATCATCCACAG
 AAAACCACCCAGATTGGATGCCTGCTGCGCTTGGAGCCGAACCTGCAAGCCAGATGTACCGGCTCACG
 CTGCGCACAAGTAAGGAAGCCGTTTCTCAGAGATTATGTGAATTGCTCTCAGCGCAGTTTAG

Restriction Sites: SgfI-MluI
 ACCN: NM_001242837
 Insert Size: 2823 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_001242837.1
RefSeq Size:	4674 bp
RefSeq ORF:	2823 bp
Locus ID:	161
UniProt ID:	O94973
Cytogenetics:	11p15.5
Protein Pathways:	Endocytosis, Huntington's disease
MW:	104.1 kDa
Gene Summary:	<p>The protein encoded by this gene is a subunit of the AP-2 adaptor protein complex, which is involved in linking lipid and protein membrane components with the clathrin lattice. This interaction supports the formation of clathrin-coated vesicles, and the encoded subunit aids in the process by binding polyphosphoinositide-containing lipids in the cell membrane. [provided by RefSeq, Nov 2016]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>