

Product datasheet for **SC314956**

alpha Adaptin (AP2A2) (BC006155) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	alpha Adaptin (AP2A2) (BC006155) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP2A2
Synonyms:	adaptin, alpha B; adaptor-related protein complex 2, alpha 2 subunit; ADTAB; alpha-adaptin C; CLAPA2; clathrin-associated/assembly/adaptor protein, large, alpha 2; HIP9; Huntingtin interacting protein J; HYPJ
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for BC006155, the custom clone sequence may differ by one or more nucleotides

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ATGCCGGCCGTGTCCAAGGGGACGGGATGCGGGGCTGGCGGTCTTCATCTCGGATATC
CGCAACTGTAAAAGTAAAGAAGCAGAAATAAAAAGGATAAACAAGGAACTGGCAAATATC
AGATCAAAATTTAAAGGTGACAAGGCTCTTGATGGCTATAGTAAAAAAGTACGTCTGC
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TTGGTGAACCTCAAACAGTGAGCTGATCCGCCTGATCAACAACGCCATCAAGAATGACCTG
GCCAGCCGCAACCCACCTTCATGGGCCTGGCCCTGCACTGCATCGCCAGCGTGGGCAGC
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CTGCTGGGTCTCGGGGCTGCCCCCTGCCCGCGGGCCCCCACCCTCCTCCGGCGGC
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CGCACAAGTAAGGAAGCCGTTTCTCAGAGATTATGTGAATTGCTCTCAGCGCAGTTT

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Restriction Sites: Please inquire

ACCN:	BC006155
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	BC006155.1 , AAH06155.1
RefSeq Size:	3275 bp
RefSeq ORF:	2820 bp
Locus ID:	161
Cytogenetics:	11p15.5
Domains:	Adaptin_N, Alpha_adaptin_C, Alpha_adaptinC2
Protein Pathways:	Endocytosis, Huntington's disease
Gene Summary:	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]