

Product datasheet for **SC310036**

AP1B1 (NM_145730) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP1B1 (NM_145730) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP1B1
Synonyms:	ADTB1; AP105A; BAM22; CLAPB2; KIDAR
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_145730, the custom clone sequence may differ by one or more nucleotides

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ATGACTGACTCAAATATTTACCACGACCAAGAAAGGGGAGATCTTCGAGCTGAAGGCA
GAGCTCAACAGTGACAAGAAGGAGAAGAAGAAGGAGGCAGTGAAGAAAGTGATTGCATCG
ATGACCGTGGGCAAAGATGTCAGTGCCTCTTCCCGATGTGGTCAACTGCATGCAGACG
GACAACCTGGAGCTGAAGAAGCTAGTATACCTCTACTTGATGAATTACGCCAAGAGTCAG
CCTGACATGGCCATTATGGCCGTCAACACCTTTGTGAAGGACTGTGAGGACCCCAACCCC
CTCATCCGAGCCCTGGCAGTGCAGGACCATGGGCTGCATCCGCGTTGACAAGATCACAGAG
TACCTGTGCGAGCCACTCCGGAAGTGCCTGAAGGACGAGGATCCATATGTGCGCAAGACA
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TTCCTGGACACCTTAAAGACCTCATCTCCGACTTAACCCCATGGTGGTGGCCAATGCA
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ACCAAGTCAACTATGTGGTCCAGGAGGCCATCGTGGTCAAGGACATCTTCCGCAAG
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AACGCAGATGAGCTGCTGGAGAGCTTCCCTCGAGGGCTTCCATGACGAGAGCACACAGGTC
CAGCTGCAGTGTGACAGCCATTGTGAAACTTTTCTAAAGAAGCCAACAGAGACCCAG
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GTGAGCGGCCACCCCTGGCCACCTCCTCGGTGCAGATGGGAGCTGTGGACCTTCTTGGC
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AACCAGACAGTGGAGATCTCCCTGCCTCTCAGCACGGTGGGCTCGGTGATGAAGTGGAG
CCTCTGAACAACCTCCAGGTGGCCGTGAAGAACAACATCGATGCTTCTACTTCAGCACC
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CGAGCACAGAGGTGTCCAGCAGCTGTACCAGGCTACGAGACCATCCTCAAGAAGTGA

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Restriction Sites: Please inquire

ACCN:	NM_145730
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:	<u>NM_145730.1</u> , <u>NP_663782.1</u>
RefSeq Size:	4154 bp
RefSeq ORF:	2829 bp
Locus ID:	162
UniProt ID:	<u>Q10567</u>
Cytogenetics:	22q12.2
Domains:	Adaptin_N, Alpha_adaptinC2
Protein Pathways:	Lysosome
Gene Summary:	Adaptor protein complex 1 is found at the cytoplasmic face of coated vesicles located at the Golgi complex, where it mediates both the recruitment of clathrin to the membrane and the recognition of sorting signals within the cytosolic tails of transmembrane receptors. This complex is a heterotetramer composed of two large, one medium, and one small adaptin subunit. The protein encoded by this gene serves as one of the large subunits of this complex and is a member of the adaptin protein family. This gene is a candidate meningioma gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009] Transcript Variant: This variant (2) lacks an alternate in-frame exon in both the central and 3' coding regions, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.