

Product datasheet for **SC107907**

AP2B1 (NM_001282) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP2B1 (NM_001282) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP2B1
Synonyms:	ADTB2; AP2-BETA; AP105B; CLAPB1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107907 sequence for NM_001282 edited (data generated by NextGen Sequencing)

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ATGACTGACTCCAAGTATTTCCACAACCAATAAAAAAGGAGAAATATTTGAACTAAAAGCT
GAACTCAACAATGAAAAGAAAGAAAAGAGAAAGGAGGCTGTGAAGAAAGTGATTGCTGCT
ATGACCGTGGGGAAGGATGTTAGTTCTCTCTTTCCAGACGTAGTGAAGTGTATGCAGACT
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CAGCTCACTCTGCTTACTGCCATAGTGAAGCTGTTTCTCAAGAAACCATCAGAAACACAG

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GAGCTAGTCCAGCAGGTCTTGAGTTTGGCAACACAGGATTCTGATAATCCTGACCTTCGA
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 GCCGAACCTACGTATCCAGCCAGGAAACCCCAATTACACGCTGTCACTGAAGTGTAGAGCT
 CCTGAAGTCTCTCAATACATCTATCAGGTCTACGACAGCATTGAAAACTAA

Clone variation with respect to NM_001282.2
 2019 g>c

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_001282 unedited
 TGTTACATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGCATCTTTGT
 CCCTGGCAAAGTGGGTTTTGCGCAGTGGCTTAGACCTAGAAAAGAATCGTGACGGGCAGG
 AAACCATTACACCACCACCTGGGCTGTGCTCTCCGGCTCCCGCCGCCACCCCGCCCTCG
 CCTTCGCTCCGCTCCGGTGCACATTAAGATCCAAAGTCATGACTGACTCCAAGTATT
 TCACAACCAATAAAAAAGGAGAAATATTTGAACTAAAAGCTGAACTCAACAATGAAAAGA
 AAGAAAAGAGAAAGGAGGCTGTGAAGAAAGTATTGCTGCTATGACCGTGGGGAAGGATG
 TTAGTTCTCTTTCCAGACGTAGTGAAGTGTATGCAGACTGACAATCTGGAAGTAAAGA
 AGCTTGTGTATCTACTTGTGAACTACGCCAAGAGTCAGCCAGACATGGCCATCATGG
 CTGTAACAGCTTTGTGAAGGACTGTGAAGATCCTAATCCTTTGATTTCGAGCCTTGGCAG
 TCAGAACCATGGGGTGCATCCGGGTAGACAAAATTACAGAATATCTCTGTGAGCCGCTCC
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 ATCTCATAGCAGATTCAAATCCAATGGTGGTGGCTAATGCCGTAGCGGCATTATCTGAAA
 TCAGTGAGTCTCACCCAAACAGCAACTTACTTGATCTGAACCCACAGAACATTAATAAGC
 TGCTGACAGCCCTGAATGAATGCACTGAATGGNGCCAGATTTTCATCCTGGACTGCCTGT
 CTATTACAACCCTAAGATGATCGGAGGT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001282 unedited CGCGGCCGCAATCTAGAGTCGAGTTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCAGTAA CACTTTTCCTTGCTTTAATATTTGTTGCCTTTTTCTGCTTTTGAAATGAGCTCTCAATTA CAAAATACCAAACACTCAAAAGAGGGTGTAAGGCAAGCCAGCCATTGGCACAGCATG GAAAAGCCCACAAGTAAGGACAGATAGCAGCAGCAGGTGGCAAGAGGTGGGAGGTGACTG AAGCAGTGGTTACAAATGTTACAGGAAGCTAAACTATCCAACAGGTTGTGCCCTAATG TTAGCACAGGTTAAACTAGTTACTACCTTGCTAGGGGGCCTCAGTGTGTTGAGATTCTAC GCAGCAATACAATTTCTCCAGTTAAGAGTTCTTGACTTGCACCGATCACAGCATGGTTG AAGGGTACTGGACCAGTCTTGTTAGTTTTTCAAAATGCTGTCGTAGACCTGATAGATGTA TTGAGAGACTTCAGGAGCTCTACACTTCAGTGACAGCGTGAATTGGGGTTTCTGGCTG GATACGTAGTTCGGCCAAAATCCAATGCCATTAGTGAGCCTTCAGGAATTGGGACAGCA TGTCTGCCCTTCCACATTCCTTTAGGAAATAGAATAACATTGTTGTTTTGCAACTTGC TGAAACAGTGTGACATTTAAATGACATTCCTTATCGGAACTGAAGTCATTTTCATTGG GCTTATCCTTCCATGTTGAAGGAAAAACCCGCGCTCATTTTTGCCTTTTTACAAAAGCC CATTGTATGGGATGAGGCCCTTGAATAAAAAAACTCATATTGTTTTCCAAGCCCCCTTGA GGTTATTAAGAGTCCATTTTATGACTGGCCAAGTATTGGGAGCAGGAACATCATGCTC TGTTTGGATAATGGGTTATGATGCCCAAGAAGCTCGGGATACACAACTTTTTGTAAACT GGTGAAAATTGCTGGCTCGAATTTTATGGGAAACATTCTAAAAGGCCTGGG
Restriction Sites:	NotI-NotI
ACCN:	NM_001282
Insert Size:	3520 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_001282.2 , NP_001273.1
RefSeq Size:	5730 bp
RefSeq ORF:	2814 bp
Locus ID:	163
UniProt ID:	P63010
Cytogenetics:	17q12
Domains:	Armadillo_seg, Adaptin_N, Alpha_adaptinC2

Protein Families: Druggable Genome

Protein Pathways: Endocytosis, Huntington's disease

Gene Summary: The protein encoded by this gene is one of two large chain components of the assembly protein complex 2, which serves to link clathrin to receptors in coated vesicles. The encoded protein is found on the cytoplasmic face of coated vesicles in the plasma membrane. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks an in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.