

Product datasheet for **SC302488**

AP2B1 (NM_001030006) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP2B1 (NM_001030006) 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 sequence for NM_001030006 edited
ATTACACCACCACCTGGGCTGTGCTCTCCGGCTCCCGCCGCCACCCCGCCCTCGCCTTC
GCCTCCGCTCCGGTGCACATTAAGATCCAAAGTCATGACTGACTCCAAGTATTTCA
ACCAATAAAAAAGGAGAAATATTTGAACTAAAAGCTGAACTCAACAATGAAAAGAAAGAA
AAGAGAAAAGGAGGCTGTGAAGAAAGTGATTGCTGCTATGACCGTGGGGAAGGATGTTAGT
TCTCTCTTTCCAGACGTAGTGAAGTGTATGCAGACTGACAATCTGGAAGTAAAGAAGCTT
GTGTATCTCTACTTGATGAAGTACGCCAAGAGTCAGCCAGACATGGCCATCATGGCTGTA
AACAGCTTTGTGAAGGACTGTGAAGATCCTAATCCTTTGATTGCGAGCCTTGGCAGTCAGA
ACCATGGGGTGCATCCGGGTAGACAAAATTACAGAATATCTCTGTGAGCCGCTCCGCAAG
TGCTTGAAGGATGAGGATCCCTATGTTTCGAAAACAGCAGCAGTCTGCGTGGCAAACCTC
CATGATATCAATGCCAAATGGTGAAGATCAGGGATTTCTGGATTCTCTACGGGATCTC
ATAGCAGATTCAAATCCAATGGTGGTGGCTAATGCCGTAGCGGCATTATCTGAAATCAGT
GAGTCTCACCCAAACAGCAACTTACTTGATCTGAACCCACAGAACATTAATAAGCTGCTG
ACAGCCCTGAATGAATGCACTGAATGGGGCCAGATTTTCATCCTGGACTGCCTGTCTAAT
TACAACCTAAAGATGATCGGGAGGCTCAGAGCATCTGTGAGCGGGTAACTCCCGGCTA
TCCCATGCCAACTCAGCAGTGGTCTTTCAGCGGTAAGTCTAATGAAGTTTCTAGAA
TTGTTACCTAAGGATTCTGACTACTACAATATGCTGCTGAAGAAGTTAGCCCTCCACTT
GTCACCTTTGCTGTCTGGGAGCCAGAAGTGCAGTATGTCGCCCTGAGGAACATCAACTTA
ATTGTCAGAAAAGCCCTGAAATCTTGAAGCAGGAAATCAAAGTCTTCTTTGTGAAGTAC
AATGATCCCATCTATGTTAAACTAGAGAAGTTGGACATCATGATTCGTTTGGCATCTCAA
GCCAACATTGCTCAGGTTCTGGCAGAACTGAAAGAATATGCTACAGAGGTGGATGTTGAC
TTTGTTGAAAAGCTGTGCGGGCCATTGGACGGTGTGCCATCAAGGTGGAGCAATCTGCA
GAGCGCTGTGTAAGCACATTGCTTGATCTAATCCAGACCAAAGTGAATTATGTGGTCCAA
GAAGCAATTGTTGTCATCAGGGACATCTCCGCAAATACCCCAACAAGTATGAAAGTATC
ATCGCCACTCTGTGTGAGAACTTAGACTCGCTGGATGAGCCAGATGCTCGAGCAGCTATG
ATTTGGATTGTGGGAGAATATGCTGAAAGAATTGACAATGCAGATGAGTTACTAGAAAGC
TTCTGGAGGTTTTACGATGAAAGCACCCAGGTGCAGCTCACTCTGCTTACTGCCATA



[View online »](#)

```

GTGAAGCTGTTTCTCAAGAAACCATCAGAAACACAGGAGCTAGTCCAGCAGGTCTTGAGT
TTGGCAACACAGGATTCTGATAATCCTGACCTTCGAGACCGGGGCTATATTTATTGGCGC
CTTCTCTCAACTGACCCTGTTACAGCTAAAGAAGTAGTCTTGTCTGAGAAGCCACTGATC
TCTGAGGAGACGGACCTTATTGAGCCAACCTCTGCTGGATGAGCTAATCTGCCACATTGGT
TCTTTGGCCTCTGTGTATCATAAGCCTCCCAATGCTTTTGTGGAAGGAAGTCATGGAATT
CATCGTAAACACTTGCCAATTCATCATGGGAGCACTGATGCAGGTGACAGCCCTGTTGGC
ACTACCCTGCAACGAACCTGGAACAGCCTCAGGTTATCCCCTCTCAAGGTGATCTTCTA
GGGGATCTTTTAAACCTTGACCTCGGTCCCCAGTCAATGTGCCACAGGTGCTCCATG
CAGATGGGAGCAGTGATCTCCTAGGAGGAGGACTAGATAGTCTGCTTGGCAGTGACCTT
GGCGGGGGCATTGGAGGAAGTCCGGCAGTGGGACAATCCTTCATCCCATCATCGTCCCT
GCAACCTTTGCTCCTTACCTACACCTGCTGTGGTCAGCAGTGGACTGAATGACCTGTTT
GAACTCTCACAGGGATAGGCATGGCACCTGGTGGATATGTGGCTCCTAAGGCTGTCTGG
CTACCTGCAGTAAAGGCTAAAGGCTTGGAGATTTCCGGAACATTTACTCACCGCCAAGGG
CACATCTATATGAAAATGAACTTACCAATAAAGCTCTGCAGCACATGACAGATTTTGCA
ATCCAGTTTAAACAAAAATAGCTTTGGTGTATCCCGAGCACTCCTCTGGCCATCCATACA
CCACTGATGCCAAACCAGAGCATTGATGTCTCCCTGCCTCTCAATACCTTGGGCCAGTC
ATGAAGATGGAACCTCTGAATAACCTCCAGGTGGCTGTGAAAAACAATATCGATGTCTTC
TACTTCAGCTGCCTCATCCCCTCAATGTGCTTTTTGTAGAAGATGGCAAAATGGAGCGC
CAGGTCTTCTTGAACATGGAAGGATATCCCAATGAAAATGAACTTCAGTTTCAGATT
AAGGAATGTCATTTAAATGCTGACACTGTTCCAGCAAGTTGCAAAACAACAATGTTTAT
ACTATTGCCAAGAGGAATGTGGAAGGGCAGGACATGCTGTACCAATCCCTGAAGCTCACT
AATGGCATTGGATTTTGGCCGAACCTACGTATCCAGCCAGGAAACCCCAATTACACGCTG
TCACTGAAGTGTAGAGCTCCTGAAGTCTCTCAATACATCTATCAGGTCTACGACAGCATT
TTGAAAAACTAACAAGACTGGTCCAGTACCCTTCAACCATGCTGTGATCGGTGCAAGTCA
AGAACTCTTAACTGGAAGAAATTGTATTGCTGCGTAGAATCTGAACACACTGAGGCCACC
TAGCAAGGTAGTAACTAGTCTAACCTGTGCTAACATTAGGGCACAACCTGTTGGATAGTT
TTAGCTTCTGTGAACATTTGTAACCACTGCTTCACTCAGTACCTCCACCTCTTGCCACCTG
CTGCTGTATCTGCTTACTTGTGGGCTTCTCCATGCTGTGCCAATGGCTGGCTTTTTTC
TACACCCTCTTTGAGTGTAGTTTGGTATTTTGAATTGAGAGCTATTTCAAAGCAGA
AAAAGACAACAAATATTAAGCAAGGAAAAGTGAAGTGAACACTGCAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAA

```

- Restriction Sites:** Please inquire
- ACCN:** NM_001030006
- Insert Size:** 3400 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).
- 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:

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_001030006.1](#), [NP_001025177.1](#)

RefSeq Size: 5772 bp

RefSeq ORF: 2856 bp

Locus ID: 163

UniProt ID: [P63010](#)

Cytogenetics: 17q12

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 (1) represents the longer transcript and encodes the longer isoform (a).