

Product datasheet for **SC116161**

APPBP2 (NM_006380) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APPBP2 (NM_006380) Human Untagged Clone
Tag:	Tag Free
Symbol:	APPBP2
Synonyms:	APP-BP2; HS.84084; PAT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116161 sequence for NM_006380 edited (data generated by NextGen Sequencing)

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ATGGCGGCCGTGGAAGTACTAGAGTGGATCCCAGAGACTCTCTATAACACCGCCATCTCCGCT
GTCGTGGACAACATACATCCGCTCCCGCCGAGACATCCGCTCCTTGCCCGAGAACATCCAG
TTTGATGTTTACTACAAGCTTTACCAACAGGGACGCTTATGTCAACTGGCAGTGAATTT
TGTGAATTGGAAGTTTTTGTCTAAAGTACTGAGAGCTTTGGATAAAAAGACATTTGCTTCAT
CATTGTTTTTCAAGCTTTGATGGATCATGGTGTAAAGTTGCTTCAGTCTTGGCCTACTCA
TTCAGTAGGCGGTGCTCTTATATAGCAGAATCAGATGCTGCAGTAAAGGAAAAAGCCATT
CAGGTTGGCTTTGTTTTAGTGCTTTCTTTTTCAGATGCAGGCTGGTACAGTGATGCTGAG
AAAGTTTTTCTGTCTGCCTTCAGTTGTGTACTCTACACGATGAGATGCTTCATTGGTTT
CGTGCAGTAGAATGTTGTGTGAGTTGCTTCATGTGCGAAATGGAACTGCAAATATCAT
TTGGGTGAAGAAACATTTAAATTAGCTCAGACATATATGGATAAACTATCAAACATGGC
CAGCAAGCAAATAAAGCTGCACTCTATGGAGAAGTGTGTGCACTCCTATTTGCAAAAAGT
CACTATGATGAGGCATACAAATGGTGCATCGAGGCAATGAAAGAAATTACAGCAGGCTTA
CCAGTGAAGTTGTGGTGGATGTCTTAAGACAAGCTTCTAAGGCTTGTGTAGTAAAACGT
GAATTTAAGAAGGCAGAACAGTTAATTAACATGCAGTGTATTTGGCACGGGATCATTTT
GGATCCAAACACCCAAAATATTCTGATACACTGCTAGATTATGGGTTCTACTTACTCAAT
GTAGATAATATCTGTCAGTCTGTTGCAATTTATCAGGCAGCCCTTGACATTAGACAGTCA
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ATTGGTATCATTACCCACATCCTACCTGAAGATCATCTTCTTTTGGCTTCTTCAAAGAGG
GTGAAAGCACTTATTTAGAGGAGATTGCAATTGATTGCATAATAAGGAAACTGAACAG
AGGCTGCTTCAAGAAGCTCATGATTTGCACTGTCTTCACTCCAAGTAAAGAAAGT
TTTGGGGAATTTAATGTACAGACTGCAAAAACACTATGGAACCTTGAAGACTTTATCAG
TCAATGAGAAAATTTAAGGAAGCTGAAGAAATGCACATCAAAGCAATTCAGATTAAAGAA
CAACTTCTTGGTCAAGAAGATTATGAAGTAGCCCTTTCAGTGGGACATCTGGCTCTTTA
TATAATTATGACATGAATCAGTATGAAAATGCTGAGAACTTTATTTGCGATCTATAGCA
ATTGGGAAGAACTTTTGGTGGAGGCTACAGTGGACTAGAATATGATTATCGAGGTCTC
ATTAACCTTTACAACCTCATTGGAAATACGAGAAAAGTGTGTAATCACAATGTTCTG
TCTAACTGGAACCGGTTGCGAGATCGGCAATATTCAGTGACAGATGCTCTTGAAGATGTC
AGCACCAGCCCCAGTCCACTGAAGAAGTGGTGCAGTCTTCTGATTTCTCAGAATGTC
GAGGGACCGAGCTGCTGA

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Clone variation with respect to NM_006380.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006380 unedited

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GGGTGCAGATTTTGTATACGACTACTATAGGGCGGCCGGAATTCGCACGAGGCGGGAT
TGTGACGCTTTTGGCCTGGCTGGCCGCTGTTTTCTGTCCACTTTTTACTCGGGCCTGCG
TCCGCTGCCGCCCTCCCTCAGTTTGCCCCGGAGGAGGCAGGGCGGCCGTGCCTTCTGCC
GTGCGCCCCGCTGGCTGCCACCGCCCTCCGAATCCTCCGGGGCCGAGAGGGGTTTCGCT
ACGGAGGGAGGTGGGGCCTTCGGGAGGAGGAGGCGGAGGAGGCGGAGGAGGAGGAAAGG
AAGATGGCGGCCGTGGAAGTACTAGAGTGGATCCCAGAGACTCTCTATAACACCGCCATCTCC
GCTGTCGTGGACAACATACATCCGCTCCCGCCGAGACATCCGCTCCTTGCCCGAGAACATC
CAGTTTGTGTTTACTACAAGCTTTACCAACAGGGACGCTTATGTCAACTGGCAGTGA
TTTTGTGAATTGGAAGTTTTTGTCTAAAGTACTGAGAGCTTTGGATAAAAAGACATTTGCTT
CATCATTGTTTTTCAAGCTTTGATGGATCATGGTGTAAAGTTGCTTCAGTCTTGGCTAC
TCATTCAGTAGGCGGTGCTCTTATATAGCAGAATCAGATGCTGCAGTAAAGGAAAAAGCC
ATTCAGTTGGCTTTGTTTTACGTGGCTTTCTTTCAGATGCAGGCTGGTACAGCGATGCT
GAGAAAGATCTTCTGTCTGCCTTCAGTTGTGTACTCTACCCGACAGATGCTTCATTGG
NTTCGCGCACCACAATGCTGTGTGAGGTTGCTCCATGTGCGAAACGGGAACTGCACATAT
CATTTGGTGAACCACACCTTTAATTACCTCCGACATATTGGATAAACTATCCAACT

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006380 unedited GCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAACTCTTA AATAGTTTTATTTAGGGGTATTTTTTTTCTTTCAGGCTTCTGCAAAATGAATTTTTTAA AAACAACAAAAAAGATTTCTGTGTTGTTCTACTAGGTTGAAAATGTGGGCCAAAC TACTTACACATGCGGTACATGCTGAATATAACTGAATATATGCTTATTCTACAGACATT CTGCAAGATAGGGATCACCCAAAATAGGGTCTTCAATGGACTGGACCAGTGTTCATGC AAATCCAGCCCCCAAAACAACATGGTTTTGATTTACAGTATGAATTCCTGGAAATCC GGGAAAAGGTAATTGGTTAACTGAGGTCCTCCCTCAGCAGCTCGGTCCCTCGACATTCTG AGAAATCAGGAAGGACTGCACCCTTCTCAGTGGACTGGGGGCTGGTGCTGACATCTTC AAGAGCATCTGTCACTGAATATTGCCGATCTCGCAACCGTTCCAGTTAGACAGAACATT GTGATATTCAAACACTTTCTCGTAATTTCCAATGGAGTTGTAAGTTTAAATGAGACCTCG ATATCATATTCTAGTCCACTGTAGCCCCTCACAAAAGTTTCTCCATTGCTATAGATC GCAATAAGTTTCTCAGCATTTTCATCCTGAATCATGTCATAATTATTAAGAACCAG ATGTTCCACTGAAAGGGCTACTTATAATCTCCTTGACCAAGAAAGTGTCTTTATCTGA AATGCTTTGAGGGCCATTCTCACCTTCTTAAATTTTCTCATGACTGAAAAAGCCTTC CAAGCTNCAATANGTTTGCAGGCTGACATTAATTCCAAAACCTTTTTTACCTATTNG AGGGAANCACGTGGCAAATAATGACCTTTTTGAAAACCTTTGTAAATTTCTTTATATT GACAATCATTGCACCTCCCTTAAAAAAGGCTCTTACCTTTTTAAAAAACCAGNAAGAA AACTTCAGCNAGGAGGGGTAAG
Restriction Sites:	NotI-NotI
ACCN:	NM_006380
Insert Size:	2390 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:	<u>NM_006380.2</u> , <u>NP_006371.2</u>
RefSeq Size:	6468 bp
RefSeq ORF:	1758 bp
Locus ID:	10513
UniProt ID:	<u>Q92624</u>
Cytogenetics:	17q23.2
Domains:	TPR

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene interacts with microtubules and is functionally associated with beta-amyloid precursor protein transport and/or processing. The beta-amyloid precursor protein is a cell surface protein with signal-transducing properties, and it is thought to play a role in the pathogenesis of Alzheimer's disease. The encoded protein may be involved in regulating cell death. This gene has been found to be highly expressed in breast cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Transcript Variant: This variant (1) represents the longer transcript and 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.