

Product datasheet for **SC108222**

APBB2 (NM_173075) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APBB2 (NM_173075) Human Untagged Clone
Tag:	Tag Free
Symbol:	APBB2
Synonyms:	FE65L; FE65L1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC108222 sequence for NM_173075 edited (data generated by NextGen Sequencing)

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ATGTCAGAAGTACTTCCAGCTGACTCAGGTGTTGACACCTTGGCAGTGTTTATGGCCAGC
AGCGGAACTACAGACGTACAAAATCGGAACAGCCCAGCCACACCACCAACACCCCTTAAC
CTCCGATCCTCCCACAATGAACTGTTGAACGCTGAAATAAACACACAGAAAACCAAGAAC
AGCACACCTCCCAATGCAGGAAAAAATATGACTAACTAACATCCAGGGCGCCATGGGC
CTCTCGGATCCAGCTGCACAGCCCCTGCTGGGAAATGGCTCTGCCAACATCAAGCTGGTG
AAAAATGGGGAGAACAGCTCCGTAAGGCTGCAGAGCAAGGGCAGCAGGACCCCAACAAA
AACCTGAGCCCCACTGCAGTCATCAACATAAATTCTGAGAAGTTAGAGGGTAAAGAGCCC
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TTCCTAAATTACTATGCAGATCTGGAACTCAGCCAGAGAACTAGAGCAGAACCAAGGC
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GCCAAAACCGACTGTGACTGCACCGGATCCAGAACCTGGCACCGAGCGATGAGGAGTCC
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TGGAGTGATCACTCATTTAGACTGATCCAGATTTGCCGCTGGCTGGAAAAGAGTCAGT
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CGGTCAACAACATGCATCAGGCAACTTTCTACTGCAAAAATGACATCCGAGACACAGTC
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GGGAAGGACGTCCACACATTTGCCTTTCATGAGCACGGGGAACCAGCGCTTTGAGTGC
CACGTTTTCTGGTGCGAGCCTAATGCTGGTAACGTGTCTGAGGCGGTGCAGGCCGCTGC
ATGTTACGATATCAGAAGTCTTGGTAGCCAGGCCCTTCTCAGAAAAGTTCGACCACCT
CCACCGCCAGCAGATTTCAGTAACCAGAAGAGTCACAACCAATGTAAAACGAGGGGTTTA
TCCCTCATTGACACTTTGAAACAGAAACGCCCTGTCACCGAAATGCCATAG

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Clone variation with respect to NM_173075.4
536 g=>a;612 c=>t

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173075 unedited GCGAATTCGGCACGAGGCTGGTCTCAAGTAGGAAGCTAGTGCCTGTAACCGCATCTGAT CTGGGCGCTCCGGGAAGGGCGAGACTGGAGCAGAGCCGCTGGGCGCCGGAGCCGAGGCGA GCGCCGCGCGCACCACTGGTTGGAGTTGCTGTGGGTGAGCTGCTGTGGTCTGTAGCCAAG CATGCTGTGGTCGGATCTGCCAGCCGTGGAACAGAAACATTTGCTGGATGGAAAATCCA TAAAAGAAAGCTCCTGTGAAAAGCTGAGGCTGACAATAATTTAAGCAAAATCAGATCGAT CTCTTTGGGCTGCCTGACCTCCTGGGTGCTTGTATTAATTAACAGACTTTGTGGGGAA AAAAGGAGCTTGCTTCTGAGCTTTGTACCAAAGACCTGGGAAAATAACCATCTCAGT CTTTCCTGAGGACTTGGGAACTGCCGAGGCCTCTGCCAATGTGTTGACTGTCGCTATGGG CTCACTGTTGTCCAGGCAGCTCATATTTCAAATTATAACCTATTTCTGCACCATTGCTG ACGCTGGGTGATCCATGTGAGAAGTACTTCCAGCTGACTTCAGGTGTTGACACCTTGGC AGTGTTTATGGCCAGCAGCGGAACTACAGACGTACANATCGGAACAGCCAGCCACACC ACCAAACACCTTAACCTCCGATCCTCCACAATGAACTGNNNTGACGCTGAATANACACA CAGAAACCAGACAGCACCTNCCAATGCANGAAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_173075
Insert Size:	4100 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_173075.2 , NP_775098.2
RefSeq Size:	4564 bp
RefSeq ORF:	2211 bp
Locus ID:	323
UniProt ID:	Q92870
Cytogenetics:	4p14-p13
Protein Families:	Transcription Factors

Gene Summary:

The protein encoded by this gene interacts with the cytoplasmic domains of amyloid beta (A4) precursor protein and amyloid beta (A4) precursor-like protein 2. This protein contains two phosphotyrosine binding (PTB) domains, which are thought to function in signal transduction. Polymorphisms in this gene have been associated with Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Transcript Variant: This variant (3) uses two alternate in-frame splice sites and lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (c) that is shorter than isoform a. 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.