

## Product datasheet for **SC327397**

### APBB2 (NM\_001166054) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	APBB2 (NM_001166054) Human Untagged Clone
Tag:	Tag Free
Symbol:	APBB2
Synonyms:	FE65L; FE65L1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001166054, the custom clone sequence may differ by one or more nucleotides ATGGCTGAACGGAAGAATGCCAAAGCGCTGGCCTGCAGCTCCTTACAGGAAAGGGCCAAT GTGAACCTCGATGTCCTTTGCAAGTAGATTTTCCAACACCAAAGACTGAGCTGGTCCAG AAGTTCACGTCAGTACTTGGGCATGTTACCTGTAGACAAACAGTCGGAATGGATATT TTGAACAGTGCCATAGAAAATCTTATGACCTCATCCAACAAGGAGGACTGGCTGTCAGTG AACATGAACGTGGCTGATGCCACTGTGACTGTCATCAGTGAAAAGAATGAAGAGGAAGTC TTAGTGGAAATGTCGTGTGCGATTCTGTCCTTCATGGGTGTTGGGAAGGACGTCCACACA TTTGCCTTCATCATGGACACGGGAACAGCGCTTTGAGTGCCACGTTTTCTGGTGCGAG CCTAATGCTGGTAACGTGTCTGAGGCGGTGCAGGCCGCTGCATGTTACGATATCAGAAG TGCTTGGTAGCCAGGCCCTTCTCAGAAAGTTCGACCACCTCCACCGCCAGCAGATTCA GTAAACCAGAAGATCACAAACCAATGTAAAACGAGGGGTCTATCCCTCATTGACACTTTG AAACAGAAACGCCCTGTCACCGAAATGCCA
Restriction Sites:	Please inquire
ACCN:	NM_001166054
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.



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001166054.1, NP_001159526.1</u>
<b>RefSeq Size:</b>	7012 bp
<b>RefSeq ORF:</b>	633 bp
<b>Locus ID:</b>	323
<b>UniProt ID:</b>	<u>Q92870</u>
<b>Cytogenetics:</b>	4p14-p13
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (7) differs in the presence and absence of exons in the 5' UTR and 5' coding region, and uses a downstream translational start codon, compared to variant 1. The resulting isoform (d) is significantly shorter at the N-terminus, compared to isoform a. Variants 4, 5, 6 and 7 encode the same isoform. 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.</p>