

Product datasheet for **SC124524**

APBB3 (NM_133174) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APBB3 (NM_133174) Human Untagged Clone
Tag:	Tag Free
Symbol:	APBB3
Synonyms:	FE65L2; SRA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_133174, the custom clone sequence may differ by one or more nucleotides

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ATGCTGGCAAGGATTACATGCTGGCCATCATTCTGGTCAACTGCGATGATGACTTGTGGGGGACCACA
GCTCGAGGTGGAGGCTGGCCTGCCTCCTGGCTGGAGGAAGATCCACGATGCTGCAGGTACTTACTACTG
GCATGTACCCAGCGGTAGCACCCAGTGGCAGCGCCCAACCTGGGAAGTAGGAGATGCAGAGGACCCAGGC
ACGGGAACGGAGGGGATCTGGGGACTGCGGCCCCCAAGGGAGATCCTTCTCCAGCCTGGAGAGTTCAC
TGGACCGAGTAACCTCTGTCTGCTGGTATGGTGGGGAATCCTACATCCAGAGCATGGAGCCAGGGGCTAA
GTGCTTTGCAGTCCGCTCTCTGGCTGGGTAGAGGTACCTGAAGAGGACCTGGCACCAGGGGAAGAGCAGT
ATTGCAGTCAATAACTGTATCCAGCAGTGGCCAGACCCGAGCCGAGCCAGCCTCCAGATGGTGCCT
GGGGTGAGGGCCAGAACATGCTGATGATCCTGAAGAAGGATGCCATGAGCCTAGTGAATCCCTGGACCA
CAGTCTGATCCACTGCCAGCCTCTGGTGCACATCCGTGTGTGGGGCGTGGGGAGCTCCAAGGGCCGGAC
TTCGCTTTTGTGGCAAGTGACAAAGATAGCTGTATGCTCAAGTGCCATGTGTTTTGCTGTGATGTCCCTG
CCAAGGCCATTGCCAGTGCCTACATGGGCTTTGTGCCAGATCTTGTGACAGCGAGTAGAGGTCAGTGG
TGATGCCTCTTGCTGCTCCAGACCCATCTCTCCTGAAGACCTGCCACGGCAAGTGGAGCTGTGGAT
GCGGTAAGCCAAGCTGCTCAGAAGTACGAGGCACTGTATATGGGGACACTGCCAGTACCAAGGCCATGG
GCATGGATGTGCTGAACGAGGCCATTGGTACCTCACCCAGGGGGGACCGGAATGCCTGGTCCCCAC
CATGCTCAGTGTGCTGACTCTCTCATGACTGCACACCCATTTCAGGCAGAGGCCAGTACAGAGGGAGGAG
CCATTGTGGCAGTGCCTGTGCGCCTTGTGACATTTATTGGTGTGGCCGCGACCCACACACCTTTGGCC
TCATCGTGACCTGGGCCGTGAGAGCTTCCAGTGCAGCCTTCTGGTGCAGCCCCATGCAGGGGGACT
CTCTGAAGCTGTGACAGGCTGCCTGTATGGTTTCACTACCAGAAGTGTCTTGTGGCCTCTGCAGCTCGAGGC
AAGGCCTGGGGTGCCAGGCCCGTCCCGCCTGCGGCTCAAGCGGACCAGCTCCATGGATTCCCCAGGAG
GTCCCCTGCCCTCCCCCTGCTCAAAGGAGGGTTGGCGGTGCAGGGGCAACCCCTCGAAAGCGGGGTGT
CTTCTCTTTTCTGATGCCTTCCGGCTGAAACCCTCTCTGCTCCATATGCCCTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_133174 unedited GTCAGAATTTTGTATACGACTCACTATAGGGCGGCCGCGAATTCGCACGAGGGGTTTCGC TGGCGTTTCGTGGGCTCCCCGGACCCACACACGAAACACGCAACCATTCGGGGATCCA GACGCCGTTTACACGCACCACCCTGGGCGGGCTGTGCGGCTCAGGCCCTCCCCGGGA CCGGCCCGTGTCCCGCCCGTGTCCCGCCCGTATTTGTGCGGCGCCAGCTGGCCCCGCA GCCTGCGGCGCAGAGAGGCTGGGCTTGCAGGCGCAGTAGCTCCAGAGTCCGCGCTGGGCT GAGAGTCCGGCCGCGCAGAGGCTGGCGGGGAGCAGCCGGGTTATGCTGGGCAAGGATTA CATGTGGCCATCATTCTGGTCAACTGCGATGGTGTGCACGGAGGGGCCGGTGGGAAGA CCAGGAGCTGAGGAGGACGAGGGAATCCGAAAGGCTACTCTGGGGCTCAAAGACGGTGG GGGATACCTCTGTGTAGGGACCAGGGGGCGAATGAACCCGGTCTTTACATGTGATGTC TTCAAGATTGAGGAGCTGGATCTTCAGCCTAAGAAGTACCCATTTTGGGGATGGAGAG GGGATTATGACAGCATGTTATTCTGAAGTACAAATCATATGCTCCCTCCTCTAATCC GGTGTTCCTGTAAATGACTTGTGGGGGGACCACAGTCTGGGAGGTGGGAGGCTGGCTGC CTCCTGGCTGGAGGAAGATCCACGATGCTGGAGTACTTACTACTGGCATGTCCCAGCG GTAGCACCCAGTGGCAGCGCCCAACCTGGGAAGTATAGAGAAGCAAAGGACCCAGCCGGG AACAGGGGGAACTGGGACTTGCGCCCCCAAGGGAGATTCTTTCCACCCGGAAGA TCACTGGACCGGGAA
Restriction Sites:	NotI-NotI
ACCN:	NM_133174
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_133174.1</u> , <u>NP_573420.1</u>
RefSeq Size:	2140 bp
RefSeq ORF:	1455 bp
Locus ID:	10307
UniProt ID:	<u>O95704</u>
Cytogenetics:	5q31.3
Domains:	WW, PID

Gene Summary:

The protein encoded by this gene is a member of the APBB protein family. It is found in the cytoplasm and binds to the intracellular domain of the Alzheimer's disease beta-amyloid precursor protein (APP) as well as to other APP-like proteins. It is thought that the protein encoded by this gene may modulate the internalization of APP. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) lacks tandem 6 nt and 21 nt miniexons in the coding region but maintains the same reading frame as transcript variant 4. As a result, variant 1 encodes isoform a which lacks 9 internal aa as compared to isoform d encoded by transcript variant 4.