

Product datasheet for **SC124523**

APBB3 (NM_133173) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APBB3 (NM_133173) Human Untagged Clone
Tag:	Tag Free
Symbol:	APBB3
Synonyms:	FE65L2; SRA
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_133173, the custom clone sequence may differ by one or more nucleotides

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ATGCTGGGCAAGGATTACATGCTGGCCATCATTCTGGTCAACTGCGATGATGACTTGTGGGGGACCACA
GTCTGGAGGTGGAGGCTGGCCTGCCTCCTGGCTGGAGGAAGATCCACGATGCTGCAGGTACTIONACTACTG
GCATGTACCCAGCGGTAGCACCCAGTGGCAGCGCCCAACCTGGGAAGTAGGAGATGCAGAGGACCCAGGC
ACGGGAACGGAGGGGATCTGGGGACTGCGGCCCCCAAGGGAGATCCTTCTCCAGCCTGGAGAGTTCAC
TGGACCGGAGTAACTCTCTGTCTGGTATGGTGGGAATCCTACATCCAGAGCATGGAGCCAGGGGCTAA
GTGCTTTGCAGTCCGCTCTCTGGGCTGGGTAGAGGTACCTGAAGAGGACCTGGCACCAGGGGAAGAGCAGT
ATTGCAGTCAATAACTGTATCCAGCAGCTGGCCAGACCCGACCCGAGCCAGCCTCCAGATGGTGCCT
GGGGTGGAGGCCAGAACATGCTGATGATCCTGAAGAAGGATGCCATGAGCCTAGTGAATCCCCTGGACCA
CAGTCTGATCCACTGCCAGCCTCTGGTGCACATCCGTGTGTGGGGCGTGGGGAGCTCCAAGGGCCGTGAC
AGGGACTTCGCTTTTGTGGCAAGTGACAAAGATAGCTGTATGCTCAAGTGCCATGTGTTTTGCTGTGATG
TCCCTGCCAAGGCCATTGCCAGTGCCCTACATGGGCTTTGTGCCAGATCTTGTGAGGCGAGTAGAGGT
CAGTGGTGTGCTCTTGTCTGCTCCAGACCCATCTCTCTGAAGACCTGCCACGGCAAGTGGAGCTG
CTGGATGCGGTAAGCCAAGCTGCTCAGAAGTACGAGGCACTGTATATGGGGACTGCCAGTCAACAAGG
CCATGGGCATGGATGTGCTGAACGAGGCCATTGGTACCCTCACCAGGGGGGACCGGAATGCCCTGGGT
CCCCACCATGCTCAGTGTGTCTGACTCTCTCATGACTGCACACCCATTAGGCAGAGGCCAGTACAGAG
GAGGAGCCATTGTGGCAGTGCCCTGTGCGCCTTGTGACATTTATTGGTGTGGCCGCGACCCACACACCT
TTGGCCTCATCGCTGACCTGGGCCGTGAGAGCTCCAGTGCAGCCTTCTGGTCCAGCCCATGCAGG
GGGACTCTCTGAAGCTGTGCAGGCTGCCTGTATGGTTCAGTACCAGAAGTGTCTTGTGGCCTCTGCAGCT
CGAGGCAAGGCCGTTGGGTGCCAGGCCGTCGCCGCTCAGCGCTCAAGCGGACAGCTCCATGGATTCCC
CAGGAGGTCCCCTGCCCTCCCCTGCTCAAAGGAGGGTTGGCGGTGCAGGGGCAACCCCTCGAAAGCG
GGGTGTCTTCTTTTGTGATGCCTCCGGCTGAAACCCCTCTGCTCCATATGCCCTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_133173 unedited GTTGCACNATTTTGAATACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGGCTCA CGACCGGGGGCGCGATGATCTCACTCGTGC GCGAGTGC GCGCGCGCATGTTTCGGCGTGTC GGTCTTCAGGGCCTGATGAGTTCATAGTTGGGCGGTGGTGT CAGCGTTCGCTGGCGT TCTGTGGGCCTCCCCGGACCCACACACGAAACACGCAACCATTTCGGGGATCCAGACGC CCGTTTACACGCACCACCCTGGGCGGGCTGTGCGGCTCAGCCCTCCCCGGGACCGGC CCGTGCCCGCCCGTGTGCCGCCGTATTTGTGCGGCGCCAGCTGGCCCGCAGCCTG CGGCGCAGATAGGCTGGGCTTGCA TGCGCAGTATCTCCAGAGGTCGCGCTGGGCTGACAG TGGCGGCCGCGCAGAGGCTGGCGGGAGCAGCCGCGTTATGCTGGGCAAGGATTACATGC TGGCCATCATTCTGGTCAACTGCGATGGTGTGCACGGACGGGCCCGTGGGAAGACCAGG AGCTGAGGGATGACGAGGGAATCCTAAAGGCTACTCTGGTGTCAAAGACGGTGGGGAT ACCTCTCTGTGTAAGGACCAGGGGGCGAATGAACCCGGTCTTTACATGTGATGTCTTCAG ATTGACGAGCCTGGATCCTTAGCCTAAGTACTGACCCATTCTGGGGATGGATATGCGATT ATGACAGCCTGTTATTCTGCACTCACAAGTATATGCTCACTTCTCTAATGCGCGTGT ACTGTANATGACTTGTGGCGGGACACAATCTGCATGGTGGAGCCTGCCTGCCTACTGGC TGGAGGAAGACCCCGATGCTGCAGTGCTTACTACTGGCATGTACCCATGGTGGCACCCCTA TGGCAGGGCGCAACCTTGTGACTTG CAGAGCAT AAGACCCN
Restriction Sites:	NotI-NotI
ACCN:	NM_133173
Insert Size:	3950 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_133173.1</u> , <u>NP_573419.1</u>
RefSeq Size:	2194 bp
RefSeq ORF:	1461 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 (2) lacks a 21 nt miniexon in the coding region but maintains the same reading frame as transcript variant 4. As a result, variant 2 encodes isoform b which lacks 7 internal aa as compared to the longest isoform (d) encoded by transcript variant 4.