

Product datasheet for **SC330597**

FE65 (APBB1) (NM_001257320) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FE65 (APBB1) (NM_001257320) Human Untagged Clone
Tag: Tag Free
Symbol: APBB1
Synonyms: FE65; MGC:9072; RIR
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330597 representing NM_001257320.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

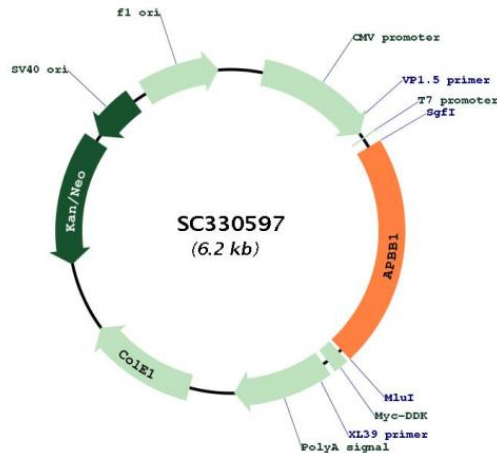
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ATGAGGGTCCAGGACACCTCAGGGACCTATTACTGGCACATCCCAACAGGGACCACCCAGTGGGAACCC
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GCTCATGGAGAAGGCTTTGAGGATGGAGAATTTGGAAGGATGAACCCAGTGTGAGGCCCAATGGAG
CTGGGACTGAAGGAACCTGAGGAGGGGACGTTGACCTTCCAGCTCAGAGCCTCAGCCAGAGCCGTTG
CCCCAAGAGGAGGAGAAGCTTCCCCACGAATACCAACCCAGGGATCAAGTGTTTCGCCGTGCGCTCC
CTAGGCTGGGTAGAGATGACCGAGGAGGAGCTGGCCCCTGGACGCAGCAGTGTGGCAGTCAACAATTGC
ATCCGTCAGCTCTTACCACAAAACAACCTGCATGACCCCATGTCTGGGGGCTGGGGGAAGGAAAG
GATCTGCTACTGCAGCTGGAGGATGAGACACTAAAGCTAGTGGAGCCACAGAGCCAGGCACTGCTGCAC
GCCCAACCCATCATCAGCATCCGCGTGTGGGGCGTCGGGCGGGACAGTGGAAAGAGAGAGGGGACTTTGCC
TACGTAGCTCGTGATAAGCTGACCCAGATGCTCAAGTGCCACGTGTTTCGCTGTGAGGCACCTGCCAAG
AACATCGCCACCAGCCTGCATGAGATCTGCTCTAAGATCATGGCCGAACGGCGTAATGCCCGTGTGG
GTAATGGACTCTCCCTGGACACTCTAACTTGTGGATGTCCCTTCCAAGTGAATCCCAGCGCCT
AAGAATGAGTTGGTCCAGAAGTTCCAAGTCTATTACCTGGGAATGTACCTGTTGCTAAACCTGTTGGG
GTAGATGTGATTAATGGGGCCCTCGAGTCAGTCTGCTCCAGCAGCCGTGAACAATGGACCCCAAGT
CATGTGAGTGTGGCCCTGCTACCCTCACCATCTTGACACAGCAGACAGAGGCAGTGTGGGAGAGTGT
CGGGTGGTTTTCTCTCCTTCTGGCCGTGGGCGAGAGATGCCACACGTTTGCATTTCATCATGGCTGCC
GGCCAGCCTCCTTCTGCTGCCACATGTTCTGGTGGCAGCCCAATGCTGCCAGCCTCTCAGAGGCTGTG
CAGGCTGCGTGCATGCTTCGCTACCAGAAGTGTCTGGATGCCCGTCCCAGGCCTCCACCTCCTGCCTC
CCAGCACCCCTGCTGAGTCTGTGGCACGGCGTGTAGGGTGGACTGTCCGAGGGGTGTTTCAGTCGCTC
TGGGGCTCCCTGAAGCCCAACGGCTGGGGGCCCATACCCATGA
  
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001257320

Insert Size: 1356 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:

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_001257320.2](#)

RefSeq Size: 2114 bp

RefSeq ORF: 1356 bp

Locus ID: 322

UniProt ID: [O00213](#)

Cytogenetics: 11p15.4

Protein Families: Transcription Factors

Protein Pathways: Alzheimer's disease

MW: 49.9 kDa

Gene Summary: The protein encoded by this gene is a member of the Fe65 protein family. It is an adaptor protein localized in the nucleus. It interacts with the Alzheimer's disease amyloid precursor protein (APP), transcription factor CP2/LSF/LBP1 and the low-density lipoprotein receptor-related protein. APP functions as a cytosolic anchoring site that can prevent the gene product's nuclear translocation. This encoded protein could play an important role in the pathogenesis of Alzheimer's disease. It is thought to regulate transcription. Also it is observed to block cell cycle progression by downregulating thymidylate synthase expression. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Mar 2012]

Transcript Variant: This variant (6) represents use of an alternate promoter and thus differs in the 5' UTR and 5' coding region compared to variant 1. These differences cause translation initiation at a downstream start codon and result in an isoform (d) with a shorter N-terminus, compared to isoform 1. Variants 4, 5, and 6 all encode the same isoform (d).