

Product datasheet for **RC232814**

FE65 (APBB1) (NM_001257325) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FE65 (APBB1) (NM_001257325) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	APBB1
Synonyms:	FE65; MGC:9072; RIR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC232814 representing NM_001257325
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACACAGATGCGAGATTCCTTCTGGAACCCCAACGCCTTCGAGACGGATTCGACCTGCCGGCTGGAT
 GGATGAGGGTCCAGGACACCTCAGGGACCTATTACTGGCACATCCCAACAGGGACCACCCAGTGGGAACC
 CCCCAGCCGGCCCTCCCCCTCACAGGGGAGCAGCCCCAAGAGGAGTCCCAGCTCACCTGGACAGGTTTT
 GCTCATGGAGAAGGCTTTGAGGATGGAGAATTTTGAAGGATGAACCCAGTGATGAGGCCCAATGGAGC
 TGGGACTGAAGGAACCTGAGGAGGGGACGTTGACCTTCCAGCTCAGAGCCTCAGCCCAGAGCCGTTGCC
 CCAAGAGGAGGAGAAGCTTCCCCACGGAATACCAACCCAGGGATCAAGTGTTCGCCGTGCGCTCCCTA
 GGCTGGGTAGAGATGACCGAGGAGGAGCTGGCCCTGGACGCAGCAGTGTGGCAGTCAACAATTGCATCC
 GTCAGCTCTTACCACAAAAACAACCTGCATGACCCATGTCTGGGGGCTGGGGGAAGGAAAGGATCT
 GCTACTGCAGCTGGAGGATGAGACACTAAAGCTAGTGGAGCCACAGAGCCAGGCACTGCTGCACGCCAA
 CCCATCATCAGCATCCCGGTGTGGGGCGTCGGGCGGGACAGTGAAGAGAGAGGGACTTTGCCTACGTAG
 CTGCTGATAAGCTGACCCAGATGCTCAAGTGCCACGTGTTTCGCTGTGAGGCACCTGCCAAGAATCGC
 CACCAGCTGCATGAGATCTGCTCTAAGATCATGGCCGAACGGCGTAATGCCCGCTGCTTGGTAAATGGA
 CTCTCCCTGGACCACTCTAAACTTGTGGATGTCCTTTTCCAAGTGAATCCCAGCGCCTAAGAATGAGT
 TGGTCCAGAAGTTCCAAGTCTATTACCTGGGGAATGTACTGTGCTAAACCTGTTGGGGTAGATGTGAT
 TAATGGGGCCCTCGAGTCAGTCTGTCTCCAGCAGCCGTGAACAATGGACCCCAAGTCAATGTCAGTGTG
 GCCCTGCTACCTCACCATCTTGACACGACAGAGGAGGAGTGTGGGAGAGTGTGGGTGCGTTTCC
 TCTCTTCTGGCCGTGGGACAGAGATGTCACACGTTTGCATTTCATGCTGCTGCCGGCCAGCCCTCCT
 CTGCTGCCACATGTTCTGGTGCAGCCCAATGCTGCCAGCCTCTCAGAGGCTGTGCAGGCTGCGTGCATG
 CTTGCTACCAGAAGTGTCTGGATGCCCGTCCAGGCCCTCACCTCTGCTCCAGCACCCCTGCTG
 AGTCTGTGGCACGGCGTGTAGGGTGGACTGTCCGACGGGTGTTGAGTGCCTGTGGGGCTCCCTGAAGCC
 CAAACGGCTGGGGGCCATACCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232814 representing NM_001257325
 Red=Cloning site Green=Tags(s)

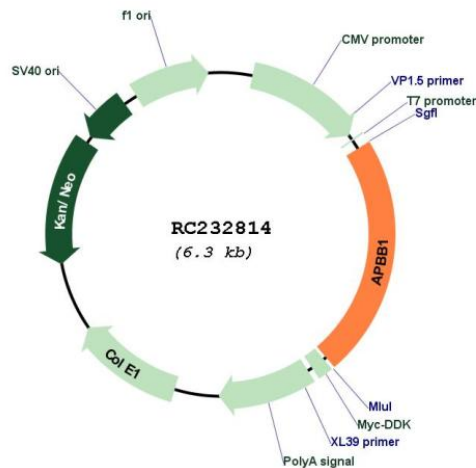
MTQMRDSFWNPNAFETDSDLPAGWMRVQDTSGYWHIPTGTTQWEPGRASPSQGSSPQEESQLTWTGF
 AHGEGFEDGEFWKDEPSDEAPMELGLKEPEEGTLTFPAQSLSPEPLPQEEELPPRNTNPGIKCFVRS
 GWVEMTEELAPGRSSVAVNNCIRQLSYHKNNLHDPMSGWEGKDLLLQLEDETLKLVQPQSALLHAQ
 PIISIRVWVGRDSGRERDFAYVARDKLTQMLKCHVFRCEAPAKNIATSLHEICSKIMAERRNARCLVNG
 LSLDHSLKLDVVPFQVEFPAPKNELVQKFQVYYLGNVPVAKPVGVDVINGALESVLSSSSREQWTPSHVSV
 APATLTIHQQTEAVLGEICRVFLSFLAVGRDVHTFAFIMAAGPASFCCHMFWCEPNAASLSEAVQAACM
 LRYQKCLDARSQASTSCLPAPPAESVARRVGTVRRGVQSLWGSCLKPKRLGAHTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001257325

ORF Size: 1425 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001257325.2 , NP_001244254.1
RefSeq Size:	1922 bp
RefSeq ORF:	1428 bp
Locus ID:	322
UniProt ID:	O00213
Cytogenetics:	11p15.4
Protein Families:	Transcription Factors
Protein Pathways:	Alzheimer's disease
MW:	53.1 kDa
Gene Summary:	<p>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]</p>