

## Product datasheet for **RG232764**

### FE65 (APBB1) (NM\_001257321) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FE65 (APBB1) (NM_001257321) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	APBB1
Synonyms:	FE65; MGC:9072; RIR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG232764 representing NM\_001257321  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGGTCCAGGACACCTCAGGGACCTATTACTGGCACATCCCAACAGGGACCACCCAGTGGGAACCCC  
 CCGGCCGGGCTCCCCCTCACAGGGGAGCAGCCCCAAGAGGAGTCCCAGCTCACCTGGACAGGTTTTGC  
 TCATGGAGAAGGCTTTGAGGATGGAGAATTTTGAAGGATGAACCCAGTATGAGCCCCAATGGAGCTG  
 GGACTGAAGAACCTGAGGAGGGGACGTTGACCTTCCCAGCTCAGAGCCTCAGCCAGAGCCGTTGCCCC  
 AAGAGGAGGAGAAGCTTCCCCACGGAATACCAACCCAGGGATCAAGTGTTCGCGTGCCTCCCTAGG  
 CTGGGTAGAGATGACCGAGGAGGAGCTGGCCCCGGACGACGAGTGTGGCAGTCAACAATTGCATCCGT  
 CAGCTCTTACCACAAAAACAACCTGCATGACCCCATGTCTGGGGGCTGGGGGAAGGAAAGGATCTGC  
 TACTGCAGCTGGAGGATGAGACACTAAAGCTAGTGGAGCCACAGGCCAGGCACTGCTGCACGCCAAC  
 CATCATCAGCATCCGCGTGTGGGCGTCCGGCGGACAGTGAAGAGAGAGGGACTTTGCCTACGTAGCT  
 CGTGATAAGCTGACCCAGATGCTCAAGTGCCACGTGTTTCGCTGTGAGGCACCTGCCAAGAACATCGCCA  
 CCAGCCTGCATGAGATCTGCTCTAAGATCATGGCCGAACGGCGTAATGCCCGCTGCTTGGTAAATGGACT  
 CTCCCTGGACCACTCTAACTTGTGGATGTCCCTTCCAAGTGAATTCACAGCGCTAAGAATGAGTTG  
 GTCCAGAAGTTCCAAGTCTATTACCTGGGGAATGTACCTGTTGCTAAACCTGTTGGGGTAGATGTGATTA  
 ATGGGGCCCTCGAGTCAGTCCTGTCTCCAGCAGCCGTGAACAATGGACCCCAAGTCATGTCAGTGTGGC  
 CCCTGCTACCCCTACCATCTTGCACCAGCAGACAGAGGCACTGCTGGGAGAGTGTGGGTGCGTTTCCCT  
 TCCTTCTGGCCGTGGGACAGAGATGTCCACACGTTTGCATTATCATGCTGCCGGCCAGCCTCCCTCT  
 GCTGCCACATGTTCTGGTGGAGCCCAATGCTGCCAGCCTCTCAGAGGCTGTGCAGGCTGCGTGATGCT  
 TCGCTACCAGAAGTGTCTGGATGCCCGTCCAGGCCTCCACCTCCTGCCTCCCAGCACCCCTGCTGAG  
 TCTGTGGCACGGCGTGTAGGTTGGACTGTCCGACGGGTGTTAGTTCGCTGTGGGCTCCCTGAAGCCCA  
 AACGGCTGGGGCCCATACCCCA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG232764 representing NM\_001257321  
 Red=Cloning site Green=Tags(s)

MRVQDTSGTYYWHIPTGTTQWEPGRASPSQGSSPQEEESQLTWTGFAHGEGFEDGEFWKDEPSDEAPMEL  
 GLKEPEEGTLTFPAQSLSPEPLPQEEELPPRNTNPGIKCFAVRSLGWVEMTEEELAPGRSSVAVNNCIR  
 QLSYHKNNLHDPMSGGWGEGKDLLLQLEDETLKLVEPQSQALLHAQPIISIRVWGVGRDSGRERDFAYVA  
 RDKL TQMLKCHVFRCEAPAKNIATSLHEICSKIMAERRNARCLVNGLSLDHSKLVDPVFPQVEFPAPKNEL  
 VQKFQVYYLGNVPVAKPVGVDVINGALESVLSSSREQWTPSHVSVAPATLTILHQTEAVLGEQVRF  
 SFLAVGRDVHTFAFIMAAGPASFCCHMFWCEPNAASLSEAVQAACMLRYQKCLDARSQASTSCLPAPPAE  
 SVARRVGTVRRGVQSLWGLPKKRLGAHTP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<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_001257321.2, NP_001244250.1</u>
<b>RefSeq Size:</b>	2162 bp
<b>RefSeq ORF:</b>	1356 bp
<b>Locus ID:</b>	322
<b>UniProt ID:</b>	<u>O00213</u>
<b>Cytogenetics:</b>	11p15.4
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Alzheimer's disease
<b>Gene Summary:</b>	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]