

## Product datasheet for **RG219752**

### APBB3 (NM\_133173) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	APBB3 (NM_133173) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	APBB3
Synonyms:	FE65L2; SRA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG219752 representing NM\_133173  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGCAAGGATTACATGCTGGCCATCATTCTGGTCAACTGCGATGATGACTTGTGGGGGACCACA  
 GTCTGGAGGTGGAGGCTGCCTGCCTCCTGGCTGGAGGAAGATCCACGATGCTGCAGGTACTIONACTACTG  
 GCATGTACCCAGCGGTAGCACCCAGTGGCAGCGCCCAACCTGGGAACTAGGAGATGCAGAGGACCCAGGC  
 ACGGGAACGGAGGGGATCTGGGACTGCGGCCCCCAAAGGGAGATCCTTCTCCAGCCTGGAGAGTTCAC  
 TGGACCGGAGTAACCTCTGTCTGGTATGGTGGGGAATCCTACATCCAGAGCATGGAGCCAGGGGCTAA  
 GTGCTTTGCAGTCCGCTCTCTGGGCTGGGTAGAGGTACCTGAAGAGGACCTGGCACCGGGGAAGAGCAGT  
 ATTGCAGTCAATAACTGTATCCAGCAGCTGGCCAGACCCGACCGGAGCCAGCCTCCAGATGGTGCCT  
 GGGGTGAGGGCCAGAATGCTGATGATCCTGAAGAAGGATGCCATGAGCCTAGTGAATCCCTGGACCA  
 CAGTCTGATCCACTGCCAGCCTCTGGTGCACATCCGTGTGTGGGCGTGGGGAGCTCCAAGGGCCGTGAC  
 AGGGACTTCGCTTTTGTGGCAAGTGACAAAGATAGCTGTATGCTCAAGTGCCATGTGTTTCGCTGTGATG  
 TCCTGCCAAGGCCATTGCCAGTGCCCTACATGGGCTTTGTGCCAGATCTTGTGACAGGCGAGTAGAGGT  
 CAGTGGTGTGCTCTTGTGCTCCCGAGACCCATCTCTCTGAAGACCTGCCACGGCAAGTGGAGCTG  
 CTGGATGCGGTAAGCCAAGCTGCTCAGAAGTACGAGGCACTGTATATGGGGACTGCCAGTACCAAGG  
 CCATGGGCATGGATGTGCTGAACGAGGCCATTGGTACCCTACCAGCCAGGGGGGACCGGAATGCCTGGGT  
 CCCACCATGCTCAGTGTGCTGACTCTCTCATGACTGCACACCCATTACAGGAGAGCCAGTACAGAG  
 GAGGACCATTTGGCAGTGCCTGTGCGCCTTGTGACATTTATTGGTGTGGCCGCGACCCACACACCT  
 TTGGCCTCATCGTACCTGGGCGTCAAGCTTCCAGTGGCAGCCTTCTGGTGGCAGCCCATGCAGG  
 GGGACTCTCTGAAGCTGTGACGGCTGCCTGTATGGTTCAGTACCAGAAGTGTCTTGTGGCCTCTGCAGCT  
 CGAGGCAAGCCCTGGGGTGGCCAGGCCCTGCCCCGCTGCGGCTCAAGCGGACCGCTCCATGGATTCCC  
 CAGGAGTCCCCTGCCCTCCCCTGCTCAAAGGAGGGTTGGCGGTGCAGGGGCAACCCCTCGAAAGCG  
 GGGTGTCTTCTCTTCTTGTGATGCCTCCGGCTGAAACCTCTCTGCTCCATATGCC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG219752 representing NM\_133173  
 Red=Cloning site Green=Tags(s)

MLGKDYMLAIILVNCDDDLWGDHSLVEEAGLPPGWRKIHDAAGTYWHVPSGSTQWQRPTWELGDAEDPG  
 TGTEGIWGLRPPKGRSFSLESSLDRSNSLSWYGGESYIQSMEPGAKCFAVRSLGWVEVPEEDLAPGKSS  
 IAVNNCIQQLAQTRRSRSPDPGAWGEGQNMLMILKGDAMSLVNPLDHSLIHCQPLVHIRVWGVGSSKGRD  
 RDFAFVASDKDSCMLKCHVFRCDVPAKAIASALHGLCAQILSERVEVSGDASCCSPDPI SPEDLPRQVEL  
 LDAVSQAAQKYEALYMGTLPVTKAMGMDVLNEAIGTLTARGDRNAWVPTMLSVSDSLMTAHPIQAEASTE  
 EEPLWQCPVRLVTFIGVGRDPHTFGLIADLGRQSFQCAAFWCQPHAGGLSEAVQAACMVQYQKCLVASAA  
 RGKAWGAQARARLRKRTSSMDSPPGGLPLPLKGGVGGAGATPRKRGVFSLLDAFRLKPSLLHMP

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_133173

**ORF Size:** 1458 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:**

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\\_133173.1](#), [NP\\_573419.1](#)

**RefSeq Size:** 2194 bp

**RefSeq ORF:** 1461 bp

**Locus ID:** 10307

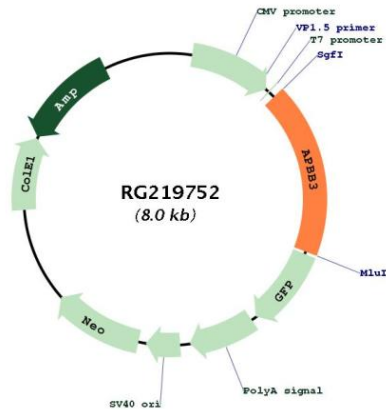
**UniProt ID:** [O95704](#)

**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]

**Product images:**



Circular map for RG219752