

Product datasheet for **RG211465**

APBB3 (NM_133172) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APBB3 (NM_133172) 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)



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ORF Nucleotide Sequence:

>RG211465 representing NM_133172
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGCAAGGATTACATGCTGGCCATCATTCTGGTCAACTGCGATGATGACTTGTGGGGGACCACA
 GTCTGGAGGTGGAGGCTGGCCTGCCTCCTGGCTGGAGGAAGATCCACGATGCTGCAGGTACTIONACTACTG
 GCATGTACCCAGCGGTAGCACCCAGTGGCAGCGCCCAACCTGGGAAGTAGGAGATGCAGAGGACCCAGGC
 ACGGGAACGGAGGGGATCTGGGACTGCGGCCCCCAAAGGGAGATCCTTCTCCAGCCTGGAGAGTTCAC
 TGGACCGGAGTAACCTCTGTCTGGTATGGTGGGGAATCCTACATCCAGAGCATGGAGCCAGGGGCTAA
 GTGCTTTGCAGTCCGCTCTCTGGGCTGGGTAGAGGTACCTGAAGAGGACCTGGCACCGGGGAAGAGCAGT
 ATTGCAGTCAATAACTGTATCCAGCAGCTGGCCAGACCCGACCGGAGCCAGCCTCCAGATGGTGCCT
 GGGGTGAGGGCCAGAATGCTGATGATCCTGAAGAAGGATGCCATGAGCCTAGTGAATCCCTGGACCA
 CAGTCTGATCCACTGCCAGCCTCTGGTGCACATCCGTGTGTGGGCGTGGGGAGCTCCAAGGGCCGCCCC
 ATCTCTGCCCCTGCTAGGACTTCGCTTTTGTGGCAAGTGACAAAGATAGCTGTATGCTCAAGTGCCATG
 TGTTTTGCTGTGATGTCCTGCCAAGGCCATTGCCAGTGCCTACATGGGCTTTGTGCCAGATCTTGTG
 AGAGCGAGTAGAGGTCACTGGTGTGCTCTTGTGCTCCCCAGACCCCATCTCTCTGAAGACCTGCCA
 CGGCAAGTGGAGCTGCTGGATGCGGTAAGCCAAGCTGCTCAGAAGTACGAGGCACTGTATATGGGACAC
 TGCCAGTACCAAGGCCATGGGCATGGATGTGCTGAACGAGGCCATTGGTACCCTCACCGCCAGGGGGGA
 CCGGAATGCCTGGGTCCCACCATGCTCAGTGTGTCTGACTCTCTCATGACTGCACACCCATTACGGCA
 GAGGCCAGTACAGAGGAGGAGCCATTGTGGCAGTGCCTGTGCGCCTTGTGACATTTATTGGTGTGGCC
 GCGACCCACACACCTTTGGCCTCATCGCTGACCTGGGCCGTGAGAGCTTCCAGTGGCAGCCTTCTGGTG
 CCAGCCCCATGCAGGGGACTCTCTGAAGCTGTGCAAGGCTGCCTGTATGGTTTCAGTACCAGAAGTGTCTT
 GTGGCCTCTGCAGCTCGAGGCAAGGCCTGGGGTGGCCAGGCCGTCGCCGCTGCGGCTCAAGCGGACCA
 GCTCCATGGATTCCCAGGAGGTCCCCTGCCCTCCCCTGCTCAAAGGAGGGGTTGGCGGTGCAGGGGC
 AACCCCTCGAAAGCGGGGTGTCTTCTTTTCTGATGCCTTCCGGCTGAAACCTCTCTGCTCCATATG
 CCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211465 representing NM_133172
 Red=Cloning site Green=Tags(s)

MLGKDYMLAIILVNCDDDLWGDHSLVEAGLPPGWRKIHDAAGTYWHVPSGSTQWQRPTWELGDAEDPG
 TGTEGIWGLRPPKGRSFSLESSLDRSNSLSWYGGESYIQSMEPGAKCF AVRSLGWVEVPEEDLAPGKSS
 IAVNNCIQQLAQTRSRSQPPDGAWGEGQNMLMILKDKDAMSLVNPLDHSIHCQPLVHIRVWGVGSSKGRP
 ISAPARDFAFVADKDCMLKCHVFCCDVPKAIASALHGLCAQILSERVEVSGDASCCSPDIPSPEDLP
 RQVELLDVAVSQAQKYEALYMGTLPVTKAMGMDVLNEAIGTLTARGDRNAWVPTMLSVSDSLMTHAPIQA
 EASTEEEEPLWQCPVRLVTFIGVGRDPHTFGLIADLGRQSFQCAAFWCQPHAGGLSEAVQAACMVQYQKCL
 VASAARGKAWGAQARARLRLKRTSSMDSPPGGLPLPLLKGGVGGAGATPRKRGVFSFLDAFRLKPSLLHM
 P

TRTRPLE - GFP Tag - V

Restriction Sites:

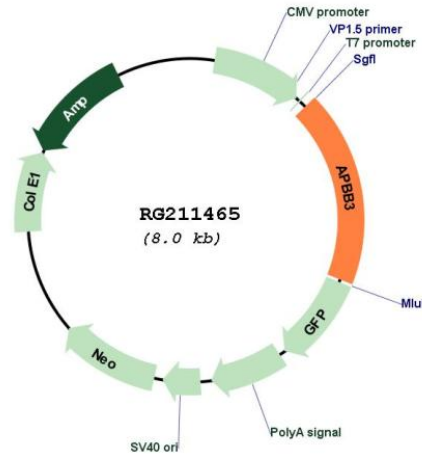
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_133172

ORF Size: 1473 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_133172.2](#), [NP_573418.2](#)

RefSeq Size: 2161 bp

RefSeq ORF: 1476 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]