

## Product datasheet for **RG228576**

### APBB2 (NM\_001166050) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	APBB2 (NM_001166050) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	APBB2
Synonyms:	FE65L; FE65L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG228576 representing NM\_001166050  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCAGAAGTACTTCCAGCTGACTCAGGTGTTGACACCTTGGCAGTGTATGCGCCAGCAGCGGAATA  
 CAGACGTACAAAATCGGAACAGCCAGCCACACCACAAACACCCCTAACCTCCGATCCTCCACAAATGA  
 ACTGTTGAACGCTGAAATAAAACACACAGAAAACCAAGAACAGCACACCTCCCAAATGCAGGAAAAATAT  
 GCACTAACTAACATCCAGGCGGCCATGGCCTCTCGGATCCAGCTGCACAGCCCTGCTGGGAAATGGCT  
 CTGCCAACATCAAGCTGGTGAATAAATGGGGAGAACCAGCTCCGTAAGGCTGCAGAGCAAGGGCAGCAGGA  
 CCCCACAAAAACCTGAGCCCACTGCAGTCATCAACATAACTTCTGAGAAGTTAGAGGGTAAAGAGCCC  
 CACCCACAGGATTCCTCGAGCTGTGAGATTTTACCCTCCAGCCAGGAGAACTAAGAGCTTCCTAAATT  
 ACTATGCAGATCTGGAACCTCAGCCAGAGAAGTACAGCAGAACCGAGGCAATCACCATGGGACTGCGGA  
 AGAGAAATCCCAGCCAGTCCAGGGCCAGGCCTCCACCATCATTGGGAATGGCGATTTGCTGCTGCAGAAA  
 CCAAACAGACCCAGTCCAGCCCTGAAGACGGCCAAGTAGCCACAGTGTATCCAGCCAGAAAACCAAGA  
 AGGATCATCCGAAAACAGGGGCCAAAACCGACTGTGCACTGCACCCGATCCAGAACCTGGACCCGAGCGA  
 TGAGGAGTCCAGCTGGACAACGTTGTCCCAAGACAGTGCCTCACCCAGCTCCCGGATGAAACAGATATA  
 TGGAGTGATCACTCATTTAGACTGATCCAGATTTGCCGCTGGCTGGAAAAGAGTCAGTGACATTGCCG  
 GGACCTATTATTGGCACATCCCAACAGGAACGACTCAGTGGGAACGGCCCGTCTCCATCCCAGCAGATCT  
 CCAGGGTCTAGGAAAGGGTCACTTAGTTCTGTAAACGCCATCTCCACCCAGAGAACGAGAAAACAGCCA  
 TGGAGTGATTTTCTGTTCTGAATGGGGAAAGATTAATAGTGACATTTGGAAGGATTTGCATGCAGCCA  
 CTGTTAACCCGGACCCAGTTTAAAAGAGTTTGAAGGAGCAACCCTACGCTATGCATCTTTGAAACTCAG  
 AAATGCCCCACACCCCTGATGATGATGATTTCTGTAGTATCAACAGTGACCCAGAAGCCAAGTGTGTTTCT  
 GTGCGTCTCTGGGATGGGTAGAGATGGCAGAAGAGGACCTCGCCCCGGTAAAAGTAGTGTGGGTC  
 ACAACTGCATCAGGCAACTTTCCTACTGCAAAAATGACATCCGAGACACAGTCGGGATTTGGGGAGAGGG  
 GAAAGACATGTACCTGATCCTGGAGAATGACATGCTCAGCCTGGTGGACCCCATGGACCCGACGCTGCTG  
 CACTCGCAGCCCATCGTCAGCATCCGCGTGTGGGGCGTGGGCCGCGACAATGGCCGGATTTTGTATG  
 TAGCAAGAGATAAAGATAACAAGATTTTGAATGTCATGTATTTGATGTGACACACCAGCAAAAGCCAT  
 TGCCACAAGTCTCCACGAGATCTGCTCCAAGATTATGGCTGAACGGAAGAATGCCAAAGCGCTGGCCTGC  
 AGCTCCTTACAGGAAAGGGCCAATGTGAACCTCGATGTCCCTTTGCAAGTAGATTTTCAAACACCAAGA  
 CTGAGCTGGTCCAGAAGTCCACGTGCAGTACTTGGGCATGTTACCTGTAGACAAAACAGTCGGAATGGA  
 TATTTTGAACAGTGCCATAGAAAATCTTATGACCTCATCCAACAAGGAGGACTGGCTGTCAGTGAACATG  
 AACGTGGCTGATGCCACTGTGACTGTCATCAGTGAAAAGAATGAAGAGGAAGTCTTAGTGGAAATGTCGTG  
 TGCGATTCTGTCTTATGGGTGTTGGGAAGGACGTCCACACATTTGCCTTCATCATGGACACGGGGAA  
 CCAGCGCTTTGAGTGCCACGTTTCTGGTGGCAGCCTAATGCTGGTAACGTGCTGAGGCGGTGCAGGCC  
 GCCTGCATGTTACGATATCAGAAGTCTTGGTAGCCAGGCCGCTTCTCAGAAAGTTCGACCACCTCCAC  
 CGCCAGCAGATTCAGTAACCAGAAGAGTCAACCAATGTAACGAGGGGTCTTATCCCTCATTGACAC  
 TTTGAAACAGAAAACGCCCTGTACCGAAATGCCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG228576 representing NM\_001166050  
 Red=Cloning site Green=Tags(s)

```
MSEVLPADSGVDTLAVFMASSTGTDVTRNSPATPPNTLNLRSSHNELLNAEIKHTETKNSTPPKCRKKY
AL TNIQAAMGLSDPAAQPLLGNLSANIKLVKNGENQLRKAEEQGQDPNKNLSPTAVINITSEKLEKKEP
HPQDSSSCEILPSQPRRTKSFNLNYADLETSARELEQNRGNHHGTAEEKSQPVQGGASTIIGNDLLLLQK
PNRPQSSPEDGGVATVSSSPETKKDHPKTGAKTDCALHRIQNLAPSDEESSWTTLSQDSASPSSPDETDI
WSDHSFQTDPLPPGWKRVSDIAGTYWHIPTGTTQWERPVSI PADLQGSRKGSLSVTPSPPTENЕКQP
WSDFAVLNGGKINSDIWKDLHAATVNPDP SLKEFEGATLRYASLKL RNAPHPDDDDSCSINS DPEAKCFA
VRLSGWVEMA EEDLAPGKSSAVNNCIRQLSYCKNDIRDVTG IWGEGKDMYLILENDMLSLVDPMDRSVL
HSQPIV SIRVWGVGRDNRDFAYVARDKDTRILKCHVFRCDTPAKAIATSLHEICSKIMAERKNAKALAC
SSLQERANVNL DVPLQVDFPTPKTEL VQKFHVQYL GMLPVDPKPGMDILNSAIENLMTSSNKEDWLSVNM
NVADATVTVI SEKNEEEVLVECRVRF L SFMGVGDVHTFAFIMDTGNQRFECHVFCEPNAGNVSEAVQA
ACMLRYQKCLVARPPSQVRPPPPADSVTRRVT TNV KRGVLSLIDTLKQKRPVTEMP
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001166050

**ORF Size:** 2274 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\\_001166050.2](#)

**RefSeq Size:** 9001 bp

**RefSeq ORF:** 2277 bp

**Locus ID:** 323

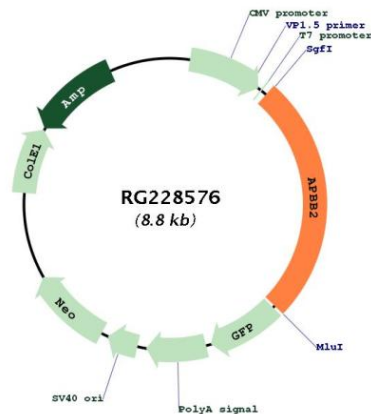
**UniProt ID:** [Q92870](#)

**Cytogenetics:** 4p14-p13

**Protein Families:** Transcription Factors

**Gene Summary:** The protein encoded by this gene interacts with the cytoplasmic domains of amyloid beta (A4) precursor protein and amyloid beta (A4) precursor-like protein 2. This protein contains two phosphotyrosine binding (PTB) domains, which are thought to function in signal transduction. Polymorphisms in this gene have been associated with Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

## Product images:



Circular map for RG228576