

## Product datasheet for **RC202016**

### APBB3 (NM\_133174) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	APBB3 (NM_133174) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	APBB3
Synonyms:	FE65L2; SRA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC202016 representing NM\_133174  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGGCAAGGATTACATGCTGGCCATCATTCTGGTCAACTGCGATGATGACTTGTGGGGGACCACA  
 GTCTGGAGGTGGAGGCTGGCCTGCCTCCTGGCTGGAGGAAGATCCACGATGCTGCAGGTACTTACTACTG  
 GCATGTACCCAGCGGTAGCACCCAGTGGCAGCGCCCAACCTGGGAACTAGGAGATGCAGAGGACCCAGGC  
 ACGGGAACGGAGGGGATCTGGGACTGCGGCCCCCAAAGGGAGATCCTTCTCCAGCCTGGAGAGTTCAC  
 TGGACCGGAGTAACCTCTGTCTGGTATGGTGGGGAATCCTACATCCAGAGCATGGAGCCAGGGGCTAA  
 GTGCTTTGCAGTCCGCTCTCTGGGCTGGGTAGAGGTACCTGAAGAGGACCTGGCACCAGGGGAAGAGCAGT  
 ATTGCAGTCAATAACTGTATCCAGCAGCTGGCCAGACCCGACCGGAGCCAGCCTCCAGATGGTGCCT  
 GGGGTGAGGGCCAGAATGCTGATGATCCTGAAGAAGGATGCCATGAGCCTAGTGAATCCCTGGACCA  
 CAGTCTGATCCACTGCCAGCCTCTGGTGCACATCCGTGTGTGGGCGTGGGGAGCTCCAAGGGCCGGAC  
 TTCGCTTTTGTGGCAAGTGACAAAGATAGCTGTATGCTCAAGTGCCATGTGTTTTGCTGTGATGTCCCTG  
 CCAAGGCCATTGCCAGTGCCTACATGGCTTTGTGCCAGATCTTGTGACAGCGAGTAGAGGTCAGTGG  
 TGATGCCTCTTGCTGCTCCCGAGACCCATCTCTCCTGAAGACCTGCCACGGCAAGTGGAGCTGCTGGAT  
 GCGGTAAGCCAAGCTGCTCAGAAGTACGAGGCACTGTATATGGGGACTGCCAGTACCAAGGCCATGG  
 GCATGGATGTGCTGAACGAGGCCATTGGTACCCTACCGCCAGGGGGGACCGGAATGCCTGGGTCCCCAC  
 CATGCTCAGTGTGCTGACTCTCTCATGACTGCACACCCATTACGGCAGAGGCCAGTACAGAGGAGGAG  
 CCATTGTGGCAGTGGCCGTGCGCCTTGTGACATTTATTGGTGTGGCCGCGACCCACACACCTTTGGCC  
 TCATCGCTGACCTGGCCGTGAGAGCTTCCAGTCCGAGCCTTCTGGTCCAGCCCATGCAGGGGGGACT  
 CTCTGAAGCTGTGACAGGCTGCCTGTATGGTTCAGTACCAGAAGTGTCTTGTGGCCTCTGCAGCTCGAGGC  
 AAGGCCTGGGGTCCCGAGCCCGTGCCTGCGGCTCAAGCGGACAGCTCCATGGATTCCCGAGGAG  
 GTCCTGCCCCCTCCCCCTGCTCAAAGGAGGGTGGCGGTGCAGGGGCAACCCCTCGAAAGCGGGGTGT  
 CTTCTCTTTTCTGATGCCTCCGGCTGAAACCCTCTCTGCTCCATATGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC202016 representing NM\_133174  
 Red=Cloning site Green=Tags(s)

MLGKDYMLAIILVNCDDDLWGDHSLVEAGLPPGWRKIHDAAGTYWHVPSGSTQWQRPTELWELGDAEDPG  
 TGTEGIWGLRPPKGRSFSLESSLDRSNLSWYGGESYIQSMEPGAKCFAVRSLGWVEVPEEDLAPGKSS  
 IAVNNCIQQLAQTRSRSPDPDGAWEQNMILMKDAMSLVNPLDHSLIHCQPLVHIRVWGVGSSKGRD  
 FAFVASDKDSCMLKCHVFCCDVPKAIASALHGLCAQILSERVEVSGDASCCSPDPI SPEDLPRQVELLD  
 AVSQAQKYEALYMGTLPTKAMGMDVLEAIGTLTARGDRNAWVPTMLSVSDSLMTAHP IQAEASTEE  
 PLWQCPVRLVTFIGVGRDPHTFGLIADLGRQSFQCAAFWCQPHAGGLSEAVQAACMVQYQKCLVASAARG  
 KAWGAQARARLRLKRTSSMDSPPGGLPLPLLLKGGVGGAGATPRKRGVFSFLDAFRLKPSLLHMP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_133174

**ORF Size:** 1452 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\\_133174.2](#), [NP\\_573420.2](#)
**RefSeq Size:** 2140 bp

**RefSeq ORF:** 1455 bp

**Locus ID:** 10307

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

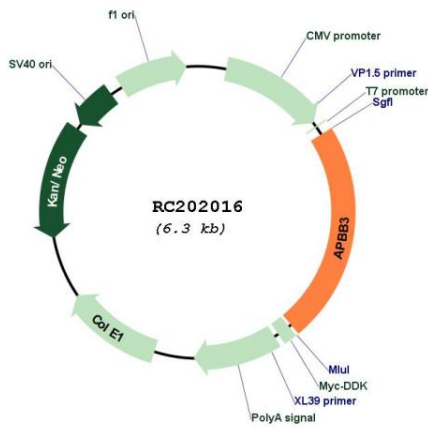
**Cytogenetics:** 5q31.3

**Domains:** WW, PID

**MW:** 52.3 kDa

**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 RC202016