

Product datasheet for **RC214866**

APBB3 (NM_006051) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APBB3 (NM_006051) 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)



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ORF Nucleotide Sequence:

>RC214866 representing NM_006051
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGGCAAGGATTACATGCTGGCCATCATTCTGGTCAACTGCGATGATGACTTGTGGGGGACCACA
 GTCTGGAGGTGGAGGCTGGCCTGCCTCCTGGCTGGAGGAAGATCCACGATGCTGCAGGTACTTACTACTG
 GCATGTACCCAGCGGTAGCACCCAGTGGCAGCGCCCAACCTGGGAAGTAGGAGATGCAGAGGACCCAGGC
 ACGGGAACGGAGGGGATCTGGGACTGCGGCCCCCAAGGGAGATCCTTCTCCAGCCTGGAGAGTTCAC
 TGGACCGGAGTAACTCTGTCTGGTATGGTGGGGAATCCTACATCCAGAGCATGGAGCCAGGGGCTAA
 GTGCTTTGCAGTCCGCTCTCTGGGCTGGGTAGAGGTACCTGAAGAGGACCTGGCACCGGGGAAGAGCAGT
 ATTGCAGTCAATAACTGTATCCAGCAGCTGGCCAGACCCGAGCCGAGCCAGCCTCCAGATGGTGCCT
 GGGGTGAGGGCCAGAATGCTGATGATCCTGAAGAAGGATGCCATGAGCCTAGTGAATCCCTGGACCA
 CAGTCTGATCCACTGCCAGCCTCTGGTGCACATCCGTGTGTGGGCGTGGGAGCTCCAAGGGCCGTGAC
 AGCCCCATCTCTGCCCTGCTAGGGACTTCGCTTTTGTGGCAAGTGACAAAGATAGCTGTATGCTCAAGT
 GCCATGTGTTTCGCTGTGATGTCCTGCCAAGGCCATTGCCAGTGCCTACATGGGCTTTGTGCCAGAT
 CTTGTCAGAGCGAGTAGAGGTCACTGGTGTGATGCCTCTTGTGCTCCCCAGACCCATCTCTCCTGAAGAC
 CTGCCACGGCAAGTGGAGCTGCTGGATGCGGTAAGCCAAGCTGCTCAGAAGTACGAGGCACTGTATATGG
 GGACACTGCCAGTACCAAGGCCATGGGCATGGATGTGCTGAACGAGGCCATTGGTACCCACACGCCAG
 GGGGACCGGAATGCCTGGTCCCACCATGCTCAGTGTGCTGACTCTCTCATGACTGCACATCCATT
 CAGGCAGAGGCCAGTACAGAGGAGGAGCCATTGTGGCAGTGCCTGTGCGCTTGTGACATTTATTGGTG
 TTGGCCGCGACCCACACACCTTTGGCCTCATCGCTGACCTGGGCGTCAGAGCTTCCAGTGCAGCCTT
 CTGGTGCAGCCCCATGCAGGGGACTCTCTGAAGCTGTGCAGGCTGCCTGTATGGTTCACTACCAGAAG
 TGTCTTGTGCGCTCTGCAGCTCGAGGCAAGGCCTGGGGTCCCCAGGCCCTGCCCGCTGCGGCTCAAGC
 GGACAGCTCCATGGATCCCCAGGAGTCCCCTGCCCTCCCCCTGCTCAAAGGAGGGTTGGCGGTGC
 AGGGGCAACCCCTCGAAAGCGGGGTGCTTCTCTTTTCTTGTATGCCTCCGGCTGAAACCCTCTCTGCTC
 CATATGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214866 representing NM_006051
 Red=Cloning site Green=Tags(s)

MLGKDYMLAIILVNCDDDLWGDHSLVEEAGLPPGWRKIHDAAGTYWHVPSGSTQWQRPTWELGDAEDPG
 TGTEGIWGLRPPKGRSFSLESSLDRSNLSWYGGESYIQSMEPGAACFVAVRSLGWVEVPEEDLAPGKSS
 IAVNNCIQQLAQTRSRSPDPAWGEQNMILKDKDAMSLVNPLDHSLIHCQPLVHIRVWVGSSKGRD
 SPISAPARDFAFVASKDSCMLKCHVFRCDVPAKAIASALHGLCAQILSERVEVSGDASCCSPDIPSPED
 LPRQVELLDVAVSQAAQKYEALYMGTLPTVKAMGMDVLNEAIGTLTARGDRNAWVPTMLSVSDSLMTAHP
 IQAEASTEEELWQCPVRLVTFIGVGRDPHTFGLIADLGRQSFQCAAFWCQPHAGGLSEAVQAACMVQYQK
 CLVASAARGKAWGAQARARLRLKRTSSMDSPPGGLPLPLLKGGVGGAGATPRKRGVFSFLDAFRLKPSLL
 HMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_006051

ORF Size: 1479 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_006051.2](#), [NP_006042.2](#)

RefSeq Size: 2215 bp

RefSeq ORF: 1482 bp

Locus ID: 10307

UniProt ID: [O95704](#)

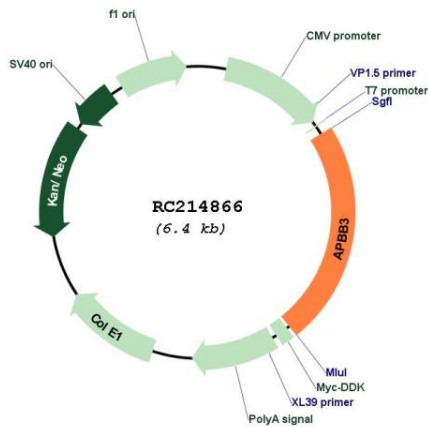
Cytogenetics: 5q31.3

Domains: WW, PID

MW: 53 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 RC214866