

Product datasheet for **RC206803**

APBB2 (NM_173075) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APBB2 (NM_173075) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	APBB2
Synonyms:	FE65L; FE65L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC206803 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGAAGTACTTCCAGCTGACTCAGGTGTTGACACCTTGGCAGTGTTTATGGCCAGCAGCGGA
 CAGACGTACAAAATCGGAACAGCCAGCCACACCACAAAACCCCTTAACCTCCGATCCTCCACAATGA
 ACTGTTGAACGCTGAAATAAAACACACAGAAAACCAAGAACAGCACACCTCCCAAATGCAGGAAAAATAT
 GCACTAACTAACATCCAGGCGGCCATGGCCTCTCGGATCCAGCTGCACAGCCCTGCTGGGAAATGGCT
 CTGCCAACATCAAGCTGGTAAAAATGGGGAGAACCAGCTCCGTAAGGCTGCAGAGCAAGGGCAGCAGGA
 CCCCACAAAACCTGAGCCCACTGCAGTCATCAACATAACTTCTGAGAAGTTAGAGGGTAAAGAGCCC
 CACCCACAGGATTCCTCGAGCTGTGAGATTTACCCTCCAGCCAGGAGAACTAAGAGCTTCTAAATT
 ACTATGCAGATCTGAAACCTCAGCCAGAGAAGTACAGCAGAACCAAGGCAATCACCATGGGACTGCGGA
 AGAGAAATCCCAGCCAGTCCAGGGCCAGGCTCCACCATCATTGGGAATGGTGATTTGCTGCTGCAGAAA
 CCAAACAGACCCAGTCCAGCCCTGAAGACGGCCAAGTAGCCACAGTGTCATCCAGCCAGAAAACCAAGA
 AGGATCATCCGAAAACAGGGGCCAAAACCGACTGTGCACTGCACCCGATCCAGAACCTGGCACCGAGCGA
 TGAGGAGTCCAGCTGGACAACGTTGTCCCAAGACAGTGCCTCACCCAGCTCCCGGATGAAACAGATATA
 TGGAGTGATCACTCATTTAGACTGATCCAGATTTGCCGCTGGCTGGAAAAGAGTCAGTGACATTGCCG
 GGACCTATTATTGGCACATCCCAACAGGAACGACTCAGTGGGAACGGCCCGTCTCCATCCCAGCAGATCT
 CCAGGGTCTAGGAAAGGGTCACTTAGTTCTGTAAACGCCATCTCCACCCAGAGAACGAGGATTTGCAT
 GCAGCCACTGTTAACCCGACCCAGTTTAAAAGAGTTTGAAGGAGCAACCCTACGCTATGCATCTTTGA
 AACTCAGAAATGCCCCACACCCTGATGATGATGATTTCTGTAGTATCAACAGTGACCCAGAACCAAGTGA
 TTTTGCTGTGCGTCTCTGGGATGGGTAGAGATGGCAGAAGAGGACCTCGCCCCGGTAAAAGTAGTGTT
 GCGGTCAACAACCTGCATCAGGCAACTTCTACTGCAAAAATGACATCCGAGACACAGTCGGGATTTGGG
 GAGAGGGGAAAGACATGTACCTGATCCTGGAGAATGACATGCTCAGCCTGGTGGACCCCATGGACCGCAG
 CGTGCTGCACTCGCAGCCATCGTCAGCATCCGCGTGTGGGGCGTGGCCCGGACAATGGCCGGGATTTT
 GCTTATGTAGCAAGAGATAAAGATAACAAGATTTTGAATGTCATGTATTTGATGTGACACACCAGCAA
 AAGCCATTGCCACAAGTCTCCACGAGATCTGCTCCAAGATTATGGCTGAACGGAAGAATGCCAAAGCGCT
 GGCTGCAGCTCCTTACAGGAAAGGGCCAATGTGAACCTCGATGTCCTTTGCAAGATTTCCAACACCA
 AAGACTGAGCTGGTCCAGAAGTCCACGTGCACTACTGGGCATGTTACCTGTAGACAAACCAGTCGGAA
 TGATATTTTGAACAGTGCCATAGAAAATCTTATGACCTCATCCAACAAGGAGGACTGGCTGTGAGTGA
 CATGAACGTGGCTGATGCCACTGTGACTGTCATCAGTGAAGAATGAAGAGGAAGTCTTAGTGGAAATG
 CGTGTGCGATTCTGTCTTTCATGGGTGTTGGGAAGGACGTCCACACATTTGCCTTCATCATGGACACGG
 GGAACCAGCGCTTTGAGTGCCACGTTTTCTGGTGCAGCCTAATGCTGGTAACGTGTCTGAGGCGGTGCA
 GGCCGCTGCATGTTACGATATCAGAAGTGTGGTAGCCAGGCCGCTTCTCAGAAAAGTTCGACCACCT
 CCACCGCCAGCAGATTAGTAACCAGAAGAGTCAACCAATGTAACGAGGGGTCTTATCCCTCATTG
 ACACTTTGAAACAGAAAACGCCCTGTACCGAAATGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206803 protein sequence
 Red=Cloning site Green=Tags(s)

```
MSEVLPADSGVDTLAVFMASSTGTDVTRNSPATPPNTLNLRSSHNELLNAEIKHTETKNSTPPKCRKKY
ALTNIIQAAMGLSDPAAQPLLGNLSANIKLVKNGENQLRKAEEQGGQDPNKNLSPTAVINITSEKLEGKEP
HPQDSSSCEILPSQPRRTKSFLNYYADLETSARELEQNQGNHHTGAEKSSQPVQGGASTIIGNDLLLLQK
PNRPQSSPEDGGVATVSSSPETKKDHPKTGAKTDCALHRIQNLAPSDEESSWTTLSQDSASPSSPDETDI
WSDHSFQTDPDLPPGWKRVSDIAGTYWHIPTGTTQWERPVSIADLQGSRKGSLSVTPSPSPENEDLH
AATVNPDPPLKEFEGATLRYASLKLRNAPHDDDDSCSINSPEAKCFVRSLSGWVEMAEEDLAPGKSSV
AVNNCIRQLSYCKNDIRDVTGVIWGEKDMYLIENDMLSLVDPMDRSLVLSQPIVSIKRVWVGRDNGRDF
AYVARDKDTRILKCHVFRCDTPAKAIATSLHEICSKIMAERKNAKALACSSLQERANVLDVPLQDFPTP
KTEL VQKFHVQYLGMLPVDKPVGMDILNSAIENLMTSSNKEDWLSVNMNVADATVTVISEKNEEVLVEK
RVRFLSFMGVGKDVHTFAFIMDTGNQRFECVFWCEPNAGNVSEAVQAACMLRYQKCLVARPPSQKVRPP
PPPADSVTRRVTTNVKRGVLSLIDTLKQKRPVTEMP
```

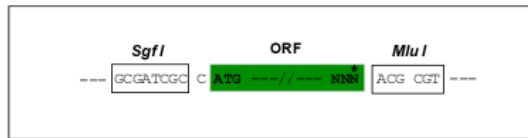
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6695_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_173075

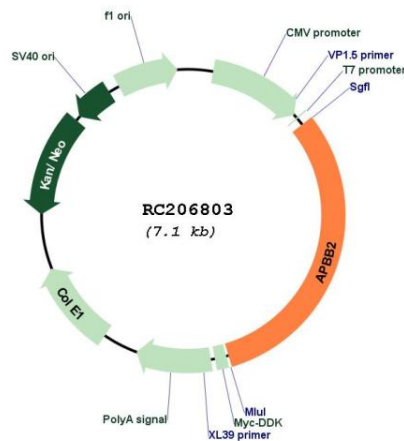
ORF Size: 2208 bp

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:	<ol style="list-style-type: none"> 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:	<u>NM_173075.5</u>
RefSeq Size:	8935 bp
RefSeq ORF:	2211 bp
Locus ID:	323
UniProt ID:	<u>Q92870</u>
Cytogenetics:	4p14-p13
Protein Families:	Transcription Factors
MW:	80.9 kDa
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 RC206803