

Product datasheet for **RC228759**

APBB2 (NM_001166051) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: APBB2 (NM_001166051) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: APBB2
Synonyms: FE65L; FE65L1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC228759 representing NM_001166051
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAACGGAAGAATGCCAAAGCGCTGGCCTGCAGCTCCTTACAGGAAAGGGCCAATGTGAACCTCG
ATGTCCCTTTGCAAGTAGATTTTCCAACACCAAAGACTGAGCTGGTCCAGAAGTCCACGTGCAGTACTT
GGGCATGTTACCTGTAGACAAACAGTCGGAATGGATATTTTGAACAGTGCCATAGAAAACTTATGACC
TCATCCAACAAGGAGGACTGGCTGTGAGTGAACATGAACGTGGCTGATGCCACTGTGACTGTCATCAGTG
AAAAGAATGAAGAGGAAGTCTTAGTGGAATGTCGTGTGCGATTCTGTCTTCATGGGTGTTGGGAAGGA
CGTCCACACATTTGCCTTCATCATGGACACGGGAACAGCGCTTTGAGTGCCACGTTTTCTGGTGCGAG
CCTAATGCTGGTAACGTGTCTGAGGCGGTGCAGGCCGCCTGCATGTTACGATATCAGAAGTGCTTGGTAG
CCAGGCCGCCTTCTCAGAAAGTTCGACCACCTCCACCGCCAGCAGATTAGTAACAGAAAGATCACAAC
CAATGTAAAACGAGGGGTCTTATCCCTCATTGACACTTTGAAACAGAAACGCCCTGTCACCGAAATGCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228759 representing NM_001166051
Red=Cloning site Green=Tags(s)

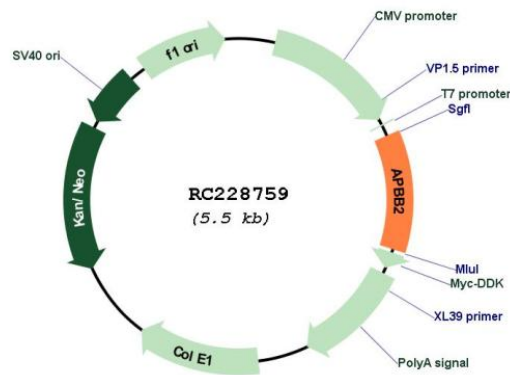
MAERKNAKALACSSLQERANVNLVDVPLQVDFPTPKTEL VQKFHVQYLGLPVDKPVGMDILNSAIENLMT
SSNKEDWLSVNMNVADATVTVISEKNEEVLECRVRFLSFMGVGKDVHTFAFIMDTGNQRFECHVFWCE
PNAGNVSEAVQAACMLRYQKCLVARPPSQKVRPPPPADSVTRRVTTNVKRGVLSLIDTLKQKRPVTEMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001166051

ORF Size: 630 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_001166051.2](#)

RefSeq Size: 7022 bp

RefSeq ORF: 633 bp

Locus ID: 323

UniProt ID: [Q92870](#)

Cytogenetics: 4p14-p13

Protein Families: Transcription Factors

MW: 23.5 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]