

Product datasheet for MR228529

Apbb2 (NM_001201416) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apbb2 (NM_001201416) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Apbb2
Synonyms: 2310007D03Rik; FE65L1; Rirl1; TR2L; Zfra
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228529 representing NM_001201416
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAACGGAAGAACGCCAAAGCACTGGCCTGCAGCTCCTTACAGGAGAGGACCAATATGAGTCTCG
ATGTCCCTTTGCAAGTAGATTTTCCAACACCAAAGACGGAGCTGGTGCAGAAGTTCGCGTGCAGTACCT
GGGCATGTTACCTGTAGACAGACCTGTCCGCATGGACACCCTGAACAGTGCCATAGAAAACTCATGACG
TCATCCAGCAAGGAGGACTGGCCTTCGGTGAACATGAACGTGGCCGACGCCACTGTGACTGTCATCAGTG
AAAAGAATGAAGAGGAGGTCTTGGTGGAGTGTCGAGTGCGGTTCTCTGCTTTCATGGGTGTCGGGAAGGA
TGTCCACACATTCGCCTTCATCATGGCACTGGGAACCAGCGCTTTGAGTGCCATGTGTTCTGGTGTGAG
CCTAACGCAGCCAATGTGTGAGAAGCTGTCCAGGCTGCCTGCATGTTGCGGTATCAGAAGTGCTTGGTTG
CCAGGCCACCTTCGCAGAAAGTCCGGCCCCCGCCCCGCCAGCAGATTACGTGACCCGAAGAGTCACGAC
CAATGTGAAACGAGGGTCTTATCCCTCATTGACACTTTGAAACAGAAGCGGCCGGTCCACAGAGACTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228529 representing NM_001201416
Red=Cloning site Green=Tags(s)

MAERKNAKALACSSLQERTNMSLDVPLQVDFPTPKTEL VQKFRVQYLGMPLVDRPVGMDTLNSAIENLMT
SSKEDWPSVNMNVADATVTVISEKNEEVLECRVRFLSFMGVGKDVHTFAFIMDTGNQRFECVFWCE
PNAANVSEAVQAACMLRYQKCLVARPPSQKVRPPPPADSVTRRVTTNVKRGVLSLIDTLKQKRPVTETP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

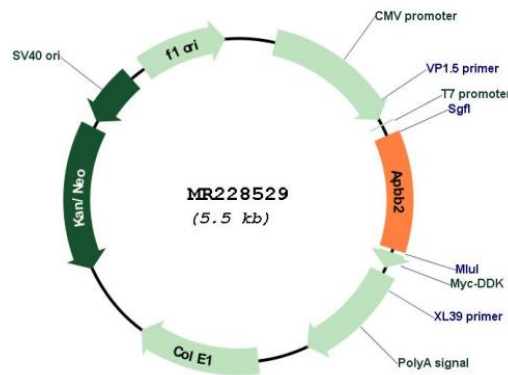
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001201416

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_001201416.1](#), [NP_001188345.1](#)

RefSeq Size: 4768 bp

RefSeq ORF: 633 bp

Locus ID: 11787

Cytogenetics: 5 C3.1

MW: 23.9 kDa

Gene Summary: May modulate the internalization of amyloid-beta precursor protein.[UniProtKB/Swiss-Prot Function]