

Product datasheet for **MR231029**

Apbb2 (NM_001201414) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apbb2 (NM_001201414) 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



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ORF Nucleotide
Sequence:

>MR231029 representing NM_001201414
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCAGAAGTACTTCCAGCTGACTCAGGTGTTGGCACCTTGGCAGTGTTTATGGCCAGCAGCGGATCCA
CAGACATTGCAAACCGGAACAGCCAGCCACACCACAAATACCCTCAATCTCCGTTCTCCACAAATGA
ACTATTAATGCAGAGATCAAACACTCAGATGCCAAGAACAGCACGCCCCCAAATGCAGGAAAAATAT
GCACTGACTAATATTCAGGCGGCCATGGGCTCTCGGATCCAGCTGTACAGCCCTGCTGGGAAACGGCT
CTGCCAACATCAAGCTGGTTAAAAATGGGGAGAACCAGCTCCGCAAGGCTGCAGAACAGGGGCAGCAGGA
CCCCAACAGAACCTCAGCCCTGCAGCCGTCATCAACCTAACCTCCGAGAAGCTGGAGGTTAAAGATCCC
CACCCACAGGAGTCTTCAGGCTGTGAGATTTTGCCTCCAGCCAGGAGAACTAAGAGCTTCTCAATT
ACTATGCAGACCTGGAACCTCGGCTAGAGAGCTAGGGCAGAACCTGGGCCCTGCCAAGGGTTGGAGA
GGAGAAAGCCAGCCTGGCCAGCCAGGCCAGTAGTATTGGGAATGGTGACTTGCTGCCACAGAAA
CCAAACAAACCCCAATCCAGCCAGAGGATGGCCAAGTAGCCACAGTATCGTCCAGCCAGAGACCAAGA
AAGACCACCTAAAACAGGAGCCAAAACCGACTGTGCCCTCCATCGGATCCAGAACCTGGACCAAGTGA
CGAGGAATCCAGCTGGACGACGCTGTCCAAGACAGTGCCTCCCCAGCTCCCAGATGAAACAGCAGAT
ATCTGGAGTGACTCAATTCAGACAGATCCCGATTTGCCGCGGGCTGGAAGAGAGTCAATGACATTG
CCGGGACTATTACTGGCACATCCCAACAGGGACGACTCAATGGGAACGGCTGTCTCCATCCCAGCAGA
TCTCCACGGCTCTAGGAAAGGTCATTAAGTTCTGTAACGCCATCGCCACCCAGAGAATGAGGATTTG
CACGCAGCCACAGTTAACCCAGACCCAGTTTAAAAGAGTTTGAAGGAGCAACGCTACGCTATGCATCCT
TGAAACTCAGAAACGCCCTCATGGTGATGACGATGATTCTTGTAGTATCAACAGTGAACCCAGAGCCAA
GTGTTTTGCTGTGCGTTCTCTGGGCTGGGTAGAGATGGCCGAGGAGACCTTGCCCCGGGAAGAGCAGT
GTCGCTGTCAACAACTGCATCCGACAGCTTTCCTACTGCAAAAACGACATCCGGGACACAGTCGGCATCT
GGGGAGAGGGCAAAGACATGTACCTGAGCCTGGAAAACGACATGCTCAGCCTGGTGGACCCCATGGACCG
CTCCGTGTTACACTCCCAGCCATCGTGAACATCCGAGTGTGGGGCTGGGCCGAGACAACGGCCGGGAC
TTTGCTTACGTGGCGAGAGACAAGGACACAAGGATTCTGAAATGCCATGTGTTTCGATGTGACACACCAG
CAAAAGCCATTGCCACAAGTCTCCACGAAATCTGCTCCAAGATTATGGCTGAACGGAAGAACGCCAAAGC
ACTGGCCTGCAGCTCCTTACAGGAGAGGACCAATATGAGTCTCGATGTCCCTTTGCAAGTAGATTTTCCA
ACACAAAGACGGAGCTGGTGCAGAAGTCCGCGTGCAGTACCTGGGCATGTTACCTGTAGACAGACCTG
TCGGCATGGACACCTGAACAGTGCCATAGAAAATCTCATGACGTCATCCAGCAAGGAGGACTGGCCTTC
GGTGAACATGAACGTGGCCGACGCCACTGTGACTGTCATCAGTGAAGAATGAAGAGGAGGTCTTGGTG
GAGTGTGAGTGCAGTTCCTGTCCTTTCATGGGTGTGGGAAGGATGTCCACACATTCGCCTTTCATCATGG
ACACTGGGAACAGCGCTTTGAGTGCCATGTGTTCTGGTGTGAGCCTAACGCAGCCAATGTGTCAGAAGC
TGTCCAGGCTGCCTGCATGTTGCGGTATCAGAAGTGTGTTGGTGGCAGGCCACCTTCGCAGAAAGTCCGG
CCCCGCCCCGCGCAGCAGATTCAGTGACCCGAAGAGTACGACCAATGTGAAACGAGGGGTCTTATCCC
TCATTGACACTTTGAAACAGAAGCGGCCGGTACAGAGACTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231029 representing NM_001201414
 Red=Cloning site Green=Tags(s)

MSEVLPADSGVGT LAVFMASGSDIANRNSPATPPNTLNLRSSHNELLNAEIKHSDAKNSTPPKCRKKY
 ALTNIQAAMGLSDPAVQPLLGNLSANIKLVKNGENQLRKAEEQGQDPNKNLSPAAVINLTSEKLEVKDP
 HPQESSGCEILPSQPRRTKSFLNYYADLETSARELGQNLGPCQGVGEEKAQPGGQAPVVI GNGDLLPQK
 PNKPQSSPEDGGVATVSSSPETKKDHPKTGAKTDCALHRIQNLAPSDEESSWTTLSQDSASPSSPDETAD
 IWSDSHFQTD PDLPPGWKR VNDIAGTYWHIPTGTTQWERPV SIPADLHGSRKGLSSVTPSPTPENEDL
 HAATVNPDP SLKEFEGATLRYASLKL RNAPHGDDDDSCSINS DPEAKCF AVRSLGWVEMAEEDLAPGKSS
 VAVNNCIRQLSYCKNDIRDTVGIWGEKDMYLSLENDMLSLVDPMDRSLVLSQPIVNI RIRVWGVGRDNGRD
 FAYVARDKDRILKCHVFRCDTPAKAIATSLHEICSKIMAERKNAKALACSSLQERTNMSLDVPLQVDFP
 TPKTEL VQKFRVQYL GMLPVD R PVGMDLNSAIENLMTSSSKEDWPSVNMNVADATVTVI SEKNEEEVLV
 ECRVRF L SFGV G KDVHTFAFIMDTGNQRF ECHVF WCEPNAANVSEAVQAACMLRYQKCLVARPPSQKVR
 P P P P P A D S V T R R V T T N V K R G V L S L I D T L K Q K R P V T E T P

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

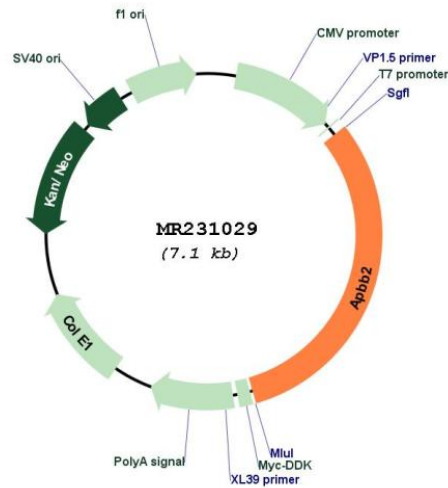
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001201414

ORF Size: 2214 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_001201414.1](#), [NP_001188343.1](#)

RefSeq Size: 6668 bp

RefSeq ORF: 2217 bp

Locus ID: 11787

UniProt ID: [Q9DBR4](#)
Cytogenetics: 5 C3.1
MW: 81.1 kDa
Gene Summary: May modulate the internalization of amyloid-beta precursor protein.[UniProtKB/Swiss-Prot Function]