

## Product datasheet for **MR219398**

### Apbb2 (NM\_009686) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Apbb2 (NM_009686) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apbb2
Synonyms:	2310007D03Rik; FE65L1; Rirl1; TR2L; Zfra
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219398 representing NM\_009686  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCAGAAGTACTTCCAGCTGACTCAGGTGTTGGCACCTTGGCAGTGTTTATGGCCAGCAGCGGATCCA  
 CAGACATTGCAAACCGAACAGCCAGCCACACCACAAATACCTCAATCTCCGTTCTCCACAAATGA  
 ACTATTAATGCAGAGATCAAACACTCAGATGCCAAGAACAGCACGCCCCCAAATGCAGGAAAAATAT  
 GCACTGACTAATATTCAGGCGGCCATGGGCTCTCGGATCCAGCTGTACAGCCCTGCTGGGAAACGGCT  
 CTGCCAACATCAAGCTGGTTAAAAATGGGGAGAACCAGCTCCGCAAGGCTGCAGAACAGGGGCAGCAGGA  
 CCCCACAAGAACCTCAGCCCTGCAGCCGTCATCAACCTAACCTCCGAGAAGCTGGAGGTTAAAGATCCC  
 CACCCACAGGAGTCTTCAGGCTGTGAGATTTTGCCTCCAGCCAGGAGAACTAAGAGCTTCTCAATT  
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 CGCCCCGCCAGCAGATTCAGTGACCCGAAGAGTACAGACCAATGTGAAACGAGGGGTCTTATCCCTCAT  
 TGACACTTTGAAACAGAAGCGGCCGGTCCAGAGACTCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219398 representing NM\_009686  
 Red=Cloning site Green=Tags(s)

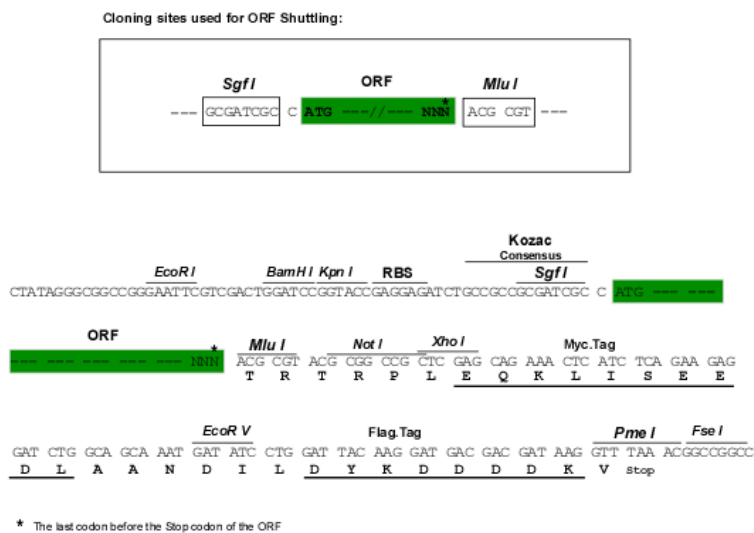
MSEVLPADSGVGT LAVFMASGSDIANRNSPATPPNTLNLRSSHNELLNAEIKHSDAKNSTPPKCRKKY  
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 WSDHSFQTDPDLPPGWKRVNDIAGTYWHIPTGTTQWERPVSI PADLHGSRKGSLSVTPSPTPENKQP  
 WSDFAVLNGGKINSDIWKDLHAATVNPDP SLKEFEGATLRYASLKL RNAPHGDDDDSCSINS DPEAKCFA  
 VRSLGWVEMA EEDLAPGKSSAVNNCIRQLSYCKNDIRDVTGIWEGEKD MYLSLENDMLSLVDPMDR SVL  
 HSQPIVNI R VVGVRDNGRERDFAYVARDKDTRILKCHVFRCDTPAKA IATSLHEICSKIMAERKNAKAL  
 ACSSLQERTNMSLDVPLQVDFPTPKTEL VQKFRVQYL GMLPVDRPVGMDTLNSAIENLMTSSSKEDWPSV  
 NMNVADATVTVI SEKNEEVLVECRVRF L SFGVGVKDVHTFAFIMDTGNQRFECHVFWCEPNAANVSEAV  
 QAACMLRYQKCLVARPPSQKVRPPPPADSVTRRVTTNVKRGVLSLIDTLKQKRPVTETP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM\_009686

ORF Size: 2280 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\\_009686.2](#), [NP\\_033816.1](#)

**RefSeq Size:** 3362 bp

**RefSeq ORF:** 2283 bp

**Locus ID:** 11787

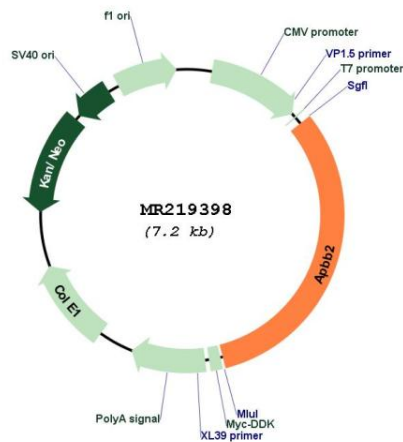
**UniProt ID:** [Q9DBR4](#)

**Cytogenetics:** 5 C3.1

**MW:** 83.7 kDa

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

### Product images:



Circular map for MR219398