

Product datasheet for **MR231087**

Apbb2 (NM_001201413) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apbb2 (NM_001201413) 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:

>MR231087 representing NM_001201413
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGAAGTACTTCCAGCTGACTCAGGTGTTGGCACCTTGGCAGTGTATATGGCCAGCAGCGGATCCA
 CAGACATTGCAAACCGAACAGCCAGCCACACCACAAATACCCTCAATCTCCGTTCTCCACAAATGA
 ACTATTAATGCAGAGATCAAACACTCAGATGCCAAGAACAGCACGCCCCCAAAATGCAGAAAAAATAT
 GCACTGACTAATATTCAGGCGGCCATGGCCTCTCGGATCCAGCTGTACAGCCCTGCTGGGAAACGGCT
 CTGCCAACATCAAGCTGGTTAAAAATGGGGAGAACCAGCTCCGCAAGGCTGCAGAACAGGGGCAGCAGGA
 CCCCACAAGAACCTCAGCCCTGCAGCCGTCATCAACCTAACCTCCGAGAAGCTGGAGGTTAAAGATCCC
 CACCCACAGGAGTCTTCAGGCTGTGAGATTTTGCCTCCAGCCAGGAGAACTAAGAGCTTCTCAATT
 ACTATGCAGACCTGGAACCTCGGCTAGAGAGCTAGGGCAGAACCTGGGCCCTGCCAAGGGTTGGAGA
 GGAGAAAGCCAGCCTGGCCAGCCAGCCCCAGTAGTCATTGGGAATGGTACTTGTGCCACAGAAA
 CCAAACAACCCCAATCCAGCCAGAGGATGGCCAAGTAGCCACAGTATCGTCCAGCCAGAGACCAAGA
 AAGACCACCTAAAACAGGAGCCAAAACCGACTGTGCCCTCCATCGGATCCAGAACCTGGACCAAGTGA
 CGAGGAATCCAGCTGGACGACGCTGTCCCAAGACAGTGCCTCCCCAGCTCCCCAGATGAAACAGATATC
 TGGAGTGATCACTCATTTAGACAGATCCCGATTTGCCGCGGGCTGGAAGAGAGTCAATGACATTGCCG
 GGACCTATTACTGGCACATCCCAACAGGGACGACTCAATGGGAACGGCCTGTCTCCATCCAGCAGATCT
 CCACGGCTCTAGGAAAGGGTCACTTAGTTCTGTAAACGCCATCGCCACCCAGAGAATGAGAAACAGCCA
 TGGAGTGATTTTGTCTGTCTGAATGGGGAAAGATTAATAGTGACATTTGGAAGGATTTGCACGCAGCCA
 CAGTTAACCCAGACCCAGTTTAAAAGAGTTTGAAGGAGCAACGCTACGCTATGCATCTTAAACTCAG
 AAACGCCCTCATGGTGATGACGATGATCTTGTAGTATCAACAGTGACCCAGAAGCCAAGTGTTTTGTCT
 GTGCGTCTCTGGGCTGGGTAGAGATGGCCGAGGAGACCTTGCCCCGGGAAGAGCAGTGTGCTGTCA
 ACAACTGCATCCGACAGCTTCTACTGCAAAAACGACATCCGGGACACAGTCCGATCTGGGGAGAGGG
 CAAAGACATGTACCTGAGCCTGGAAAACGACATGCTCAGCCTGGTGGACCCCATGGACCGCTCCGTGTTA
 CACTCCCAGCCCATCGTGAACATCCGAGTGTGGGGCGTGGGCCGAGACAACGGCCGGACTTTGCTTACG
 TGGCGAGAGACAAGGACACAAGGATTCTGAAATGCCATGTGTTTCGATGTGACACACCAGCAAAAGCCAT
 TGCCACAAGTCTCCACGAAATCTGCTCCAAGATTATGGCTGAACGGAAGAAGCCAAAGCACTGGCCTGC
 AGCTCCTTACAGGAGAGGACCAATATGAGTCTCGATGTCCCTTTGCAAGTAGATTTTCAAACACCAAGA
 CGGAGCTGGTGCAGAAGTTCCGCGTGCAGTACCTGGGCATGTTACCTGTAGACAGACCTGTCCGCATGGA
 CACCCTGAACAGTGCCATAGAAAATCTCATGACGTCATCCAGCAAGGAGGACTGGCCTTCGGTGAACATG
 AACGTGGCCGACGCCACTGTGACTGTATCAGTGAAAAGAATGAAGAGGAGGTCTTGGTGGAGTGTGCGAG
 TGCGGTTCTGTCTTATGGGTGTGCGGAAGGATGTCCACACATTCGCCTTTCATCATGGACACTGGGAA
 CCAGCGCTTTGAGTGCCATGTGTTCTGGTGTGAGCCTAACGCAGCCAATGTGTGAGAAGCTGTCCAGGCT
 GCCTGCATGTTGCGGTATCAGAAGTGCTTGGTTGCCAGGCCACCTTCGCAGAAAGTCCGGCCCCGCCCC
 CGCCAGCAGATTCAGTGACCCGAAGAGTACGACCAATGTGAAACGAGGGGTCTTATCCCTCATTGACAC
 TTTGAAACAGAAGCGGCCGGTACAGAGACTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231087 representing NM_001201413
 Red=Cloning site Green=Tags(s)

MSEVLPADSGVGT LAVFMASGSDIANRNSPATPPNTLNLRSSHNELLNAEIKHSDAKNSTPPKCRKKY
 ALTNIQAAMGLSDPAVQPLLGNLSANIKLVKNGENQLRKAAEQGQDPNKNLSPA AVINLTSEKLEVKDP
 HPQESSGCEILPSQPRRTKSFLNYYADLETSARELGQNLGPCQGVGEEKAQPGGQAPVVI GNGDLLPQK
 PNKPQSSPEDGGVATVSSSPETKKDHPKTGAKTDCALHRIQNLAPSDEESSWTTLSQDSASPSSPDETDI
 WSDHSFQTDPLPPGWKRVNDIAGTYYYWHIPTGTTQWERPVSI PADLHGSRKGSLSVTPSPTPENЕКQP
 WSDFAVLNGGKINSDIWKDLHAATVNPDP SLKEFEGATLRYASLKL RNAPHGDDDDSCSINS DPEAKCFA
 VRSLGWVEMA EEDLAPGKSSAVNNCIRQLSYCKNDIRD TVGIWEGEKD MYLSLENDMLS LVDPMDRSVL
 HSQPIVNI R VVGVRDNGRDFAYVARDKDRILKCHVFRCDTPAKAIATSLHEICSKIMAERKNALAC
 SSLQERTNMSLDVPLQVDFPTPKTEL VQKFRVQYL GMLPVD R PVGMDTLNSAIENLMTSSSKEDWPSVNM
 NVADATVTVI SEKNEEVL VECRVRFLSFMGVGKDVHTFAFIMDTGNQRFECHVFWCEPNAANVSEAVQA
 ACMLRYQKCLVARPPSQVRPPPPADSVTRRVT TNV KRGVLSLIDTLKQKRPVTETP

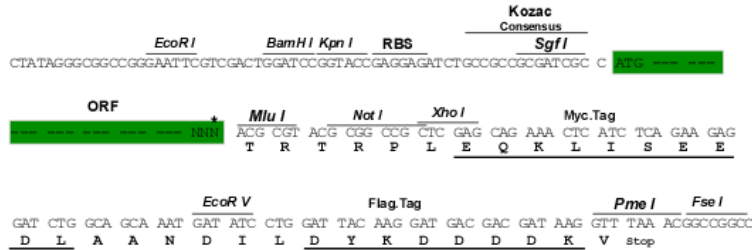
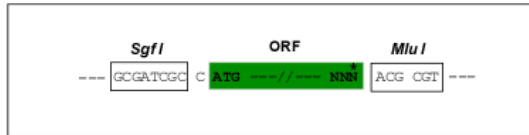
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

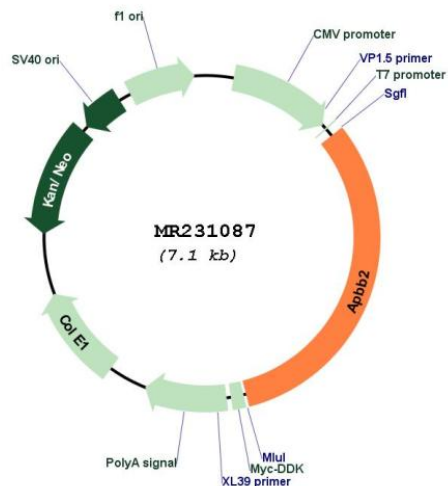
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001201413

ORF Size: 2274 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_001201413.1](#), [NP_001188342.1](#)

RefSeq Size: 6665 bp

RefSeq ORF: 2277 bp

Locus ID: 11787

Cytogenetics: 5 C3.1
MW: 83.4 kDa
Gene Summary: May modulate the internalization of amyloid-beta precursor protein.[UniProtKB/Swiss-Prot Function]