

Product datasheet for **MR231027**

Apbb2 (NM_001201415) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apbb2 (NM_001201415) 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:

>MR231027 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCAGAAGTACTTCCAGCTGACTCAGGTGTTGGCACCTTGGCAGTGTATTATGGCCAGCAGCGGATCCA
CAGACATTGCAAACCGGAACAGCCAGCCACACCACAAATACCCTCAATCTCCGTTCTCCCAATGA
ACTATTAATGCAGAGATCAAACACTCAGATGCCAAGAACAGCACGCCCCCAAAATGCAGGAAAAATAT
GCACTGACTAATATTCAGGCGGCCATGGCCTCTCGGATCCAGCTGTACAGCCCTGCTGGGAAACGGCT
CTGCCAACATCAAGCTGGTTAAAAATGGGGAGAACCAGCTCCGCAAGGCTGCAGAACAGGGGCAGCAGGA
CCCCAACAGAACCTCAGCCCTGCAGCCGTCATCAACCTAACCTCCGAGAAGCTGGAGGTTAAAGATCCC
CACCCACAGGAGTCTTCAGGCTGTGAGATTTTGCCTCCAGCCAGGAGAACTAAGAGCTTCTCAATT
ACTATGCAGACCTGGAACCTCGGCTAGAGAGCTAGGGCAGAACCTGGGCCCTGCCAAGGGTTGGAGA
GGAGAAAGCCAGCCTGGCCAGCCAGCCCCAGTAGTCATTGGGAATGGTACTTGTGCCACAGAAA
CCAAACAAACCCCAATCCAGCCAGAGGATGGCCAAGTAGCCACAGTATCGTCCAGCCAGAGACCAAGA
AAGACCACCTAAAACAGGAGCCAAAACCGACTGTGCCCTCCATCGGATCCAGAACCTGGACCAAGTGA
CGAGGAATCCAGCTGGACGACGCTGTCCAAGACAGTGCCTCCCCAGCTCCCCAGATGAAACAGATATC
TGGAGTGATCACTCATTTAGACAGATCCCGATTTGCCGCGGGCTGGAAGAGAGTCAATGACATTGCCG
GGACCTATTACTGGCACATCCAAACAGGGACGACTCAATGGGAACGGCCTGTCTCCATCCCAGCAGATCT
CCACGGCTCTAGGAAAGGGTCACTTAGTTCTGTAAACGCCATCGCCACCCAGAGAATGAGGATTTGCAC
GCAGCCACAGTTAACCCAGACCCAGTTTAAAAGAGTTTGAAGGAGCAACGCTACGCTATGCATCCTTGA
AACTCAGAAACGCCCTCATGGTGATGACGATGATTTCTGTAGTATCAACAGTGACCCAGAAGCCAAAGT
TTTTGCTGTGCGTTCTCTGGGCTGGGTAGAGATGGCCGAGGAGGACCTTGCCCCCGGAAGAGCAGTGTC
GCTGTCAACAACCTGCATCCGACAGCTTTCTACTGCAAAAACGACATCCGGGACACAGTCCGCATCTGGG
GAGAGGGCAAAGACATGTACCTGAGCCTGGAAAACGACATGCTCAGCCTGGTGGACCCCATGGACCGCTC
CGTGTTACTACTCCAGCCATCGTGAACATCCGAGTGTGGGGCTGGGCCGAGACAACGGCCGGGACTTT
GCTTACGTGGCGAGAGACAAGGACACAAGGATTCTGAAATGCCATGTGTTTCGATGTGACACACCAGCAA
AAGCCATTGCCACAAGTCTCCACGAAATCTGCTCCAAGATTATGGCTGAACGGAAGAACGCCAAAGCACT
GGCCTGCAGCTCCTTACAGGAGAGGACCAATATGAGTCTCGATGTCCCTTTGCAAGTAGATTTCCAACA
CCAAAGACGGAGCTGGTGCAGAAGTTCCGCGTGCAGTACCTGGGCATGTTACCTGTAGACAGACCTGTCC
GCATGGACACCCCTGAACAGTGCCATAGAAAATCTCATGACGTATCCAGCAAGGAGGACTGGCCTTCGGT
GAACATGAACGTGGCCGACGCCACTGTGACTGTATCAGTGAAAAGAATGAAGAGGAGGTCTTGGTGGAG
TGTGAGTGCAGTTCCTGTCTTCATGGGTGTCCGGAAGGATGTCCACACATTCCGCTTCATCATGGACA
CTGGGAACCAGCGCTTTGAGTGCCATGTGTTCTGGTGTGAGCCTAACGCAGCCAAATGTGTGAGAAGTGT
CCAGGCTGCCTGCATGTTGCGGTATCAGAAGTGCTTGGTTGCCAGGCCACCTTCGCAGAAAGTCCGGCCC
CCGCCCCGCCAGCAGATTCAGTGACCCGAAGAGTACGACCAATGTGAAACGAGGGGTCTTATCCCTCA
TTGACACTTTGAAACAGAAGCGGCCGGTACAGAGACTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231027 protein sequence
 Red=Cloning site Green=Tags(s)

MSEVLPADSGVGT LAVFMASGSDIANRNSPATPPNTLNLRSSHNELLNAEIKHSDAKNSTPPKCRKKY
 ALTNIQAAMGLSDPAVQPLLGNLSANIKLVKNGENQLRKAEEQGQDPNKNLSPA AVINLTSEKLEVKDP
 HPQESSGCEILPSQPRRTKSFLNYYADLETSARELGQNLGPCQGVGEEKAQPGPGQAPVVI GNGDLLPQK
 PNKPQSSPEDGGVATVSSSPETKKDHPKTGAKTDCALHRIQNLAPSDEESSWTTLSQDSASPSPDET
 DIWSDHSFQTDPLPPGWKRVNDIAGTYYYWHIPTGTTQWERPVSI PADLHGSRKGSLSVTPSPTPENEDLH
 AATVNPDPPLKEFEGATLRYASLKL RNAPHGDDDDSCSINS DPEAKCF AVRSLGWVEMAEEDLAPGKSSV
 AVNNCIRQLSYCKNDIRD TVGIWGEKDMYLSLENDMLSLVDPMDRSVLHSQPIV NIRVWVGRDNGRDF
 AYVARDKDRILKCHVFRCDTPAKAIATSLHEICSKIMAERKNAKALACSSLQERTNMSLDVPLQVDFPT
 PKTEL VQKFRVQYL GMLPVDRPVGMDTLNSAIENLMTSSSKEDWPSVNMNVADATVTVISEKNEEVLVE
 CRVRF L SFMGVGDVHTFAFIMDTGNQRF ECHVF WCEPNAANVSEAVQAACMLRYQKCLVARPPSQKVRP
 PPPPADSVTRRVTN V KRGVLSLIDTLKQKRPVTEP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001201415

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_001201415.1](#), [NP_001188344.1](#)

RefSeq Size: 6602 bp

RefSeq ORF: 2214 bp

Locus ID: 11787

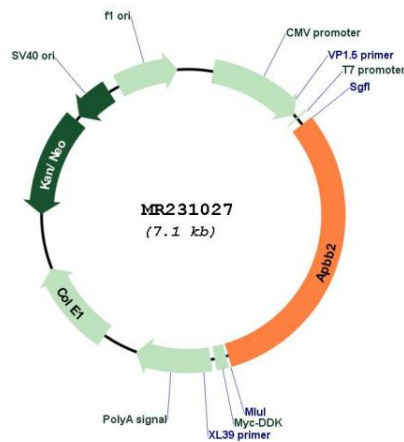
UniProt ID: [Q9DBR4](#)

Cytogenetics: 5 C3.1

MW: 80.5 kDa

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

Product images:



Circular map for MR231027