

Product datasheet for **RR208074**

Apbb3 (NM_053957) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apbb3 (NM_053957) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apbb3
Synonyms:	Fe65I2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR208074 representing NM_053957
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGCAAGGATTATATGCTGGCCATCATTCTGGTCAACTGCGATGATGACTTGTGGGGGACCAAA
 ATCTGGAGGGGAAACAGGCCTACCCCTGGCTGGAGAAAGATCCGTGATGCTGCAGGAACCTATTATTG
 GCATGTACCCAGCGGTAGCACTCAGTGGCAGCGCCCAACCTGGAACTAGCAGAGACCCAGGAACGGGA
 AAAGAGGGGATTTGGAACTACGACCTCCCAAGGGGAGATCTTTCTCCAGCCTGGACAGCTCATTGAACC
 GAAGTAACTCTAACATGGTATAATGAAGATTCTATGTCCGGAGCCTGGAGCCAGGAGCTAAGTGCTT
 TGCAGTCCGCTCTCTGGGCTGGGTAGAGGTCCCTGAGGAGACCTGGCACCAGGGAAGAGCAGTATTGCT
 GTCAATAACTGTATCCAGCAGCTAGCCCAGGCCGAAACCGAGCCAGCCTCATGATGGTGCCTGGGGTG
 AGGGCCAGAACATGCTGATGGTCTGAAAAAGATGCCATGAGCTTGTGAATCCCTGGACCACAGTCT
 GATCCATTGTGAGCCTCTGGTTCACATCCGTGTATGGGGTGTGGGCAGCTCAAGGGCCGTGACAGGGAC
 TTTGCTTTTGTTCGGGGTGACAAAGACAGCTGTATGCTTAAATGTCATGTGTTTCGCTGTGATGTGCCCC
 CAAAAGCCATAGCAAGTCGTCTACAGGGGCTCTGTGCACAGATCTTGTGACAGAGGGTAGGACTCAGTGG
 AGAAGCTGCTTGTGTTCCCCAGATCCTATTTCCCTGAAGACTTCCCAAGGCAAGTGGAATTGCTGGAT
 GCAGTGAGCCAGGCTGCTCAGAAGTATGAGGCACTGTACATGGGGATCCTACCAGTACCAAAGCCATGG
 GTATGGATGTGCTGAATGAGGCCATTGGTACCCTCACTGGCCGTGGGGACCGGAAACCTGGGTCCCCGC
 TATGCTCAGTGTGCTGACTCTCTGATGACTGCACATCCTATTCAGGCAGAGGCTGGTGCAGAGGAAGAG
 CCACCTGTGGCAGTGTCTGTCCGCCTTGAACCTTTATGGTGTGGCCATGATCCACATACCTTTGGCC
 CTACTCGTGTATTTGGTGTGAGAGCTTCCAGTGTGACAGCTTTCTGGTCCAACCTCATGCTGGGGACT
 CTCTGAAGCTGTGCAAGCTGCCTGCATGGTTCAGTACCAGAAGTGTCTAGTGGCCTCAGCAGCTCGGGGT
 AAGGCCTGGGGTCTCAGGCTCGCGCTCGCCTGCGGCTCAAGCGGACCAGCTCCATGGACTCCCCAGGCG
 GCCCCTTCTCCCCCTACTCAAAGGAGGGGTTGGGGTGTGGAGCAGCTCCTCGAAAGCGGGGTGT
 CTTCTCATTTCTGATGCCTTCAGGCTAAACCTCTCTTCCATATGCTCTAAATTGATCTTAGAGGGC
 TGGGAAAGAGGCTCTATACTCTCCAGTCCCTAGGGTTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208074 representing NM_053957
 Red=Cloning site Green=Tags(s)

MLGKDYMLAIILVNCDDDLWGDQNLGETGLPPGWRKIRDAAGTYWHVPSGSTQWQRPTWELAEADPGTG
 KEGIWELRPPKGRSFSLDSSLNRSNSL TWYNEDSYVRSLEPGAKCF AVRSLGWVEVPEEDLAPGKSSIA
 VNNCIQQLAQARNRSQPHDGAWEQGNMLMVLKGDAMSLNPLDHSLIHCQPLVHIRVWVGSSKGRDRD
 FAFVAGDKDSCMLKCHVFRCDVPAKAIASRLQGLCAQILSERVGLSGEAACCSPPDISPEDFPRQVELLD
 AVSQAQKYEALYMGILPVTKAMGMDVLEAIGTLTGRGDRKTWVPAMLSVSDSLMTAHP IQAEGAE
 EEE PLWQCPVRLVTFIGVGHDPHTFGLIADLGCQSFQCAAFWCQPHAGGLSEAVQAACMVQYQKCLV
 ASAARG KAWGAQARARLRKRTSSMDSPPGPPPLLLKGGVGGAGAAPRKRGVFSFLDAFRLKPLFSICPKLILEG
 WGRLYTLVPRVLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

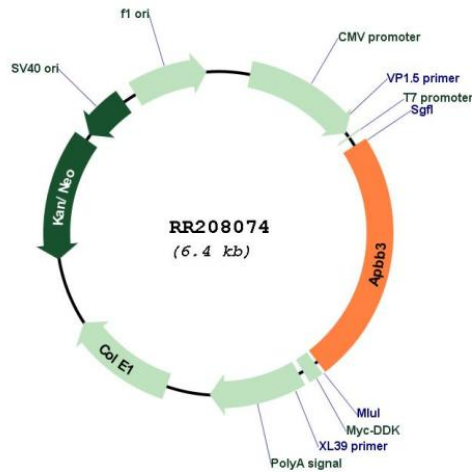
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_053957

ORF Size: 1512 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_053957.1](#), [NP_446409.1](#)

RefSeq Size: 2024 bp

RefSeq ORF: 1515 bp

Locus ID: 117026

UniProt ID: [O35827](#)

Cytogenetics: 18p11

MW: 54.9 kDa

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