

Product datasheet for **MG214447**

ApoIIIb (NM_001143686) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ApoIIIb
Synonyms:	A330102K04Rik
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214447 representing NM_001143686
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTGGAATGAGATCTCAGAGGACATTAGGAAAGTGAATGTCGTACTTTTGAAAAAGTCATTGATA
ACGCCACGGAAGATTTAAGAACAGATCTGAGGAGCCTTATAACTGAAGATGGAGCCTGGAATGGATTTGT
GGAAGCAGTAGAGTTGTCAAGCGAGGAGGAGAAGCACTTCGTGATGCTCTGAAGGAACGTTTAGCACAG
GATCCACAGATGAAAATGACAGACCTCAAAGGGAACAGCAGAAAAGAGCGGTTTCTGCGAGAGTTTCCTC
AGTTGAAGAAGAACTTGAGGACCACATTAGGAAGCTCCGAGACCTGGCTGACAAATTTGACCAGGTGCA
CAAGGACTGCACCATCTCTAATGTGGTGTCCACTTCTGCTAGTGTGCTCCGGAGTCTGGCCCTCCTT
GGTTTGGTTCTGTCAACCGTTACAGCAGGGGCCAGTCTGGCACTCTCAGCATCCTCTGTGGCTCTGGGAG
CAACATCATCTGTGAGTAGTTTACGACCACCGTTGTGGAAGATTCATGACTGTCATATGAATCTGA
AGCCAGAAACCTGATTGGAGCCAGCATGAATGTTCTTGAAGAGATCTTAAGTATCATGCCAAGATCAC
TGCAAGTTTATAATACAGTTGCAGATTTAGTCAAAGCCTTTAAAACCTCAAGGGTCAGATCCAAACCA
TCAGGAGAGCCAGGTCCATCTCTCGCAGGGGAGCACAGGCCAGGAACCTCACATCCACTGGAAGAAGCTC
TGGCAGGGTGTCTCCAGATGACCAGAGGGGCCAGGATTAGAGCAGGAGTGTTCACAAAGTGTGTTCTT
GGATGGGATGTGTATGACCTTGTGACCAAGCAACGGATCTGCATGATGGGGGAGAAAACAGATCAGGTGG
AGCACTGCGGGACCTGGCTCGCAAGCTGGAGGAGAACCTTCAGAAATTTGAGCAGAAGTACAATGCTCTG
CAGTCAGACCTGCCTCAGTGACGCCCTCCCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214447 representing NM_001143686
Red=Cloning site Green=Tags(s)

MDWNEISEDIRKVECRTEFKVIDNATEDLRTDLRSLITEDGAWNGFVEAVELSSEEGERLDRALKERLAQ
DPTDENDRPQREQQKERFLREFPQLKKKLEDHIRKLRDLADKFDQVHKDCTISNVVSTSASAASGLALL
GLVLSVTVTAGASLALSASSVALGATSSVSSFTTTVVEDSMTLSYESEARNLIGASMNVLLEEILSIMPKIT
CKFYNTVADLVKAFKTLKGQIQTIARRARSISRRGAQARNLSTGRSSGQGVSQMTRGARIRAGVFTSVFL
GWDVYDLVTKQRICMMGEKQSQVEHCGTWLASWRRTFRNLSRSTMLCSQTC LSDALP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001143686

ORF Size: 1011 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001143686.1](#), [NP_001137158.1](#)

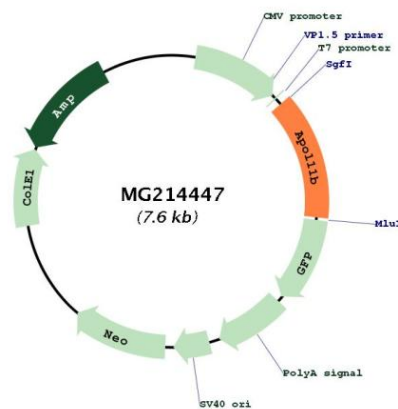
RefSeq Size: 2057 bp

RefSeq ORF: 1014 bp

Locus ID: 328563

Cytogenetics: 15 E1

Product images:



Circular map for MG214447