

Product datasheet for **MG214632**

Mfap1b (NM_001081975) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Mfap1b
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214632 representing NM_001081975
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGTCCCAAGCGCACTCATGAAGCAGCCGCCATCCAGTCTACGGCTGGGGCCGTCCAGTTCGAA
ACGAGAAAGGTGAGATCTCAATGGAAAAGGTGAAGGTGAAACGATATGTGTCCGGAAAGAGACCAGATTA
TGCCCCATGGAGTCCCTCAGATGAAGAGGATGAAGAATTCAGTTCATTAAGAAAGCTAAGGAACAAGAA
GCAGAGCCTGAGGAACAGGAGGAGGACTCATCCAGTGACCCCGACTTCGGCGGTTACAGAACCAGCATCA
GTGAAGATGTGGAAGAGCGATTGGCTCGACACAGAAAGATCGTGGAACCTGAAGTAGTGGGAGAGAGCGA
CTCAGAAGTAGAAGGGGATGCTTGGCGCTGGAAACGAGAAGACAGCAGTGAAGGAGGAGGAAAGAGATT
GACGATGAAGAAATTGAGCGCGCCGTGGCATGATGCGTCAGCGAGCACAGGAGAGGAAAAATGAAGAGA
TGGAAGTCATGGAGGTGGAAGATGAAGGGCGCTCTGGGAGGAGTCTGAGTCAGAGTCTGAGTATGAGGA
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CAACAAAGCTGTTAAAGGCAAATACAAGTTTCTACAGAAGTATTATCACCGAGGTGCCTTCTCATGGAT
GAGGATGAAGAAGTCTACAAGAGAGACTTTAGTGCACCTACTCTTGAGGACCTTTCAACAAAACCATTC
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GCAGCAGGGGTACGAGATGATTTGAACGACCATCTGCCAAGAAGGAGAAAACACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



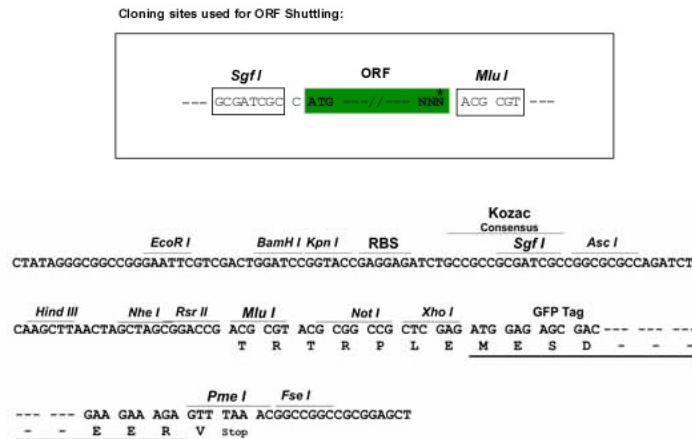
Protein Sequence: >MG214632 representing NM_001081975
 Red=Cloning site Green=Tags(s)

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MSVPSALMKQPPIQSTAGAVPVRNEKGEISMEKVKVKRYVSGKRPDYAPMSSDEEDEFQFIKKAKEQE
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DDEEIERRRGMQRQAQERKNEEMVMEVEDEGRSGEESESESEYEEYTDSEDEMEPRLKPVFIRKKDRV
TVQERAEALQKELEQEAKRMAEERRKYTLKIVEEETKKELEENKRSALDALNTDDENEEEYEAWK
VRELKRIKREDREALKEKAEIERMRNLTEERRAELRANGKVI TNKAVKGYKFLQKYHRGAF FMD
EDEEVYKRDFSAP TLEDHFNKITL PKVMQVKNFGRSGRTKYTHLVDQD TTSFDSA WQESA QNTKFFKQK
AAGVRDVFERP SAKKRKTT
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081975

ORF Size: 1317 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_001081975.3](#), [NP_001075444.1](#)

RefSeq Size: 1887 bp

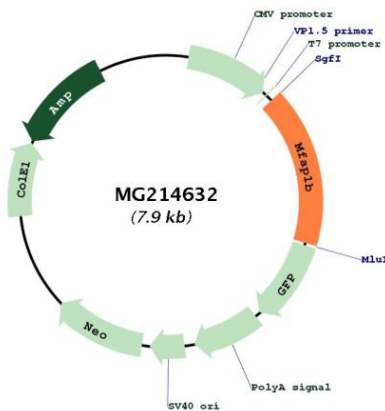
RefSeq ORF: 1320 bp

Locus ID: 100034361

UniProt ID: [C0HKD8](#)

Cytogenetics: 2 E5

Product images:



Circular map for MG214632