

Product datasheet for **MG213542**

Zfp874b (NM_001076791) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp874b (NM_001076791) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp874b
Synonyms:	9630025I21Rik; Rslcan16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG213542 representing NM_001076791
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGAAATGCTGTCCTTCCGGGATGTGCCATTGATTTTTCTCCAGAAGAGAGGGACTACCTGGGTC
 CTGCTCAGTGGGATCTGTACAGAGACGTGATGCTGGAGAATTATAGCCACCTTGTGTTCCCTGGGCTTGC
 TGTGCTAAGCCATACTTGGTAACATTTCTGGAGCAAAACCAAGGCTCTCAGGTGTGAAAAGCCACGCA
 GCAGCCACCATCCCAGGAACAACAGGCAATGAATTTAACAATCACAATGAGGCCATTGATCACAGCTCTC
 TAAGTATGCAATGCCAGAGAATTCATACAGGAGAGGAACCTACTACTTTGAAGACTGTGGTAAGGCCCT
 TAGTTCTCAGGCAACACTTTCTGTACTCCAGAGACGTTATAGTGGAGACAAACCTACAAGTGTAAAGAA
 TGTCAAAAACACTTAGCAGTCGCTCATCACTTTTAATACACCAGAAATATCATACTGATGAGAAAACCT
 ACAAGTGTGAAAAATGTGGCAACGGTTTTTGC GTTCTCACATCTTCAGCATCATCAAAAAATTCATAC
 TGGAGAGAAACCATACAAATGTGAAGAGTGTGACAAAGCCTTTCTTCATCACTCATATCTTAGGAAACAC
 CAGGCAGTTCATACTGGAGAGAAACCTACAAGTGTGAAGAGTGTGGAATTCATTTTACTATCCGCAA
 TGCTGAAGCAACATCAAAGAATTCATTCTGGAGAGAACTTGACAAGTGTGAAGAATGTGGGAAAGTATT
 TTCCTCTGCTTTCTTTCTTAACCAGCATAAAGGAATTGATTCCATAGAGAAAAGGTACAAGTGTCAAGAA
 TGTGGCAAATCTTTTGTATCGTTTCATATCTTAGGGAACATTACAGAAGGCATTCTGGAGAGTATCCCT
 ACAAGTGCAGAAGATGTGGCAAGGGTTTTCCCGTTCTCAAAGCTTCAGGAACATCAAACAATTCATAC
 TGGAGTTAAACCTTACAAGTGTGAAGAGTGTGAGAAATGTTTTCTCTTTACGTCCCTTAAAGACAT
 CAAATCATCCATTCTGAAGATACTCCCCATGAGTGTGTAGAATGCGGCAAAAGGTTTTCTAGTTCTTCCC
 GCCTTCAGGAACATCAGAAAATTCACACTGAAGAGAAACCATACAAATGTGAGGAATGTGACAAAGCCTT
 TCTTTATCACTCGTTTCTTAGGAGACACAGAGCAGTTCATACTAGAGAGAAACCTACACGTGTGAAGAG
 TGTGGGAAATGTTATACCTCTTTCACATCCCTGAAAAGACATCAAACAATTCATTCTGTAGACACTCCCC
 ATGAGTGGGTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

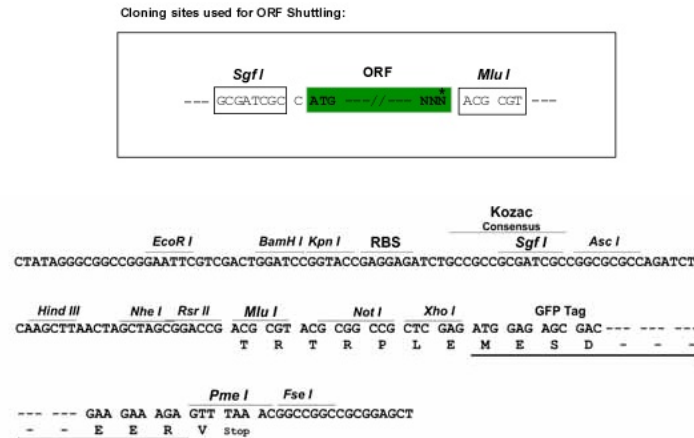
>MG213542 representing NM_001076791
 Red=Cloning site Green=Tags(s)

MEEMLSFRDVAIDFSPEERDYLGPQWDLYRDVMLENYSHLVFLGLAVAKPYLVTFLEQNQGSSGVKSHA
 AATIPGTTGNEFNNHNEAIDHSSLSMQCQRIHTGEEPPYFEDCGKALSSQATLSVLQRRYSGDKPYKCKE
 CHKTLSSRSSLIIHQYHTDEKTYKCEKCGKRFLLRSSHLQHHQKIHTGEKPYKCEECDKAFLHHSYLRKH
 QAVHTGEKPYKCEECSFYYPAMLKQHQRHSSEKLDKCEECSKVFSSAFFLNQHKGIDSIEKRYKCQE
 CGKSFCYRSYLREHYRRHSGEYPYKCEECSKGFSSSKLQEHQTIHTGVKPYKCEECEKCFSSFTSLKRH
 QIIHSEDTPECEVECGKRFSSSSRLQEHQKIHTEEKPYKCEECDKAFLYHSFLRRHRAVHTREKPYTCEE
 CGKCYTSFTSLKRHTIHSVDTPEHW

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001076791

ORF Size: 1341 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_001076791.2](#), [NP_001070259.1](#)

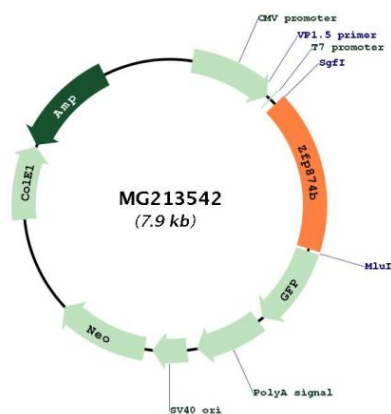
RefSeq Size: 3792 bp

RefSeq ORF: 1344 bp

Locus ID: 408067

Cytogenetics: 13 B3

Product images:



Circular map for MG213542