

## Product datasheet for **MG213770**

### Zfp512b (NM\_001164597) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp512b (NM_001164597) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp512b
Synonyms:	Gm632; Znf512b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG213770 representing NM\_001164597  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACTGAATCCTTTTGTGTTGGAGGAGCCGTCGGCTTCAAGGATCCAGCAAAGTGGACCTGGAAGG  
 GAGGCAGCCGGAAGGAGGCCAACTTCCCTTGTTCAGGACCCACCAAAGCTAGGGATGCCAGTGGTCCA  
 CAGTGGACATACAGTGCCTAGCCAGGCCCACTCTGCTTTGACCTTGAAACTCAGCCAGTGACAAGACA  
 GAAGGGAAGAAAAAGGAGGCCGAAAGCCGAGAACAAGCTCTCCGAGATATTCCTCTCTCTGTATGA  
 ACCAGTGGAAAGATGAATCAAGGCACACTCAAGGGTGAAGTGTCAAACCTCAGGGTGTGGCTAGAGTT  
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 TTCCTTGCCCTTCTGCGAGGCCGATTCACTTCCAAGACCCAGCTGGAGAAGCACCGGATATGGAATC  
 ACATGGACCACCCCTACCTGCCCAAGCTGGCCAGTCAGCCGGCCGGTACCATCAGCCGGCCTGT  
 TGGGGTCAGCAAGCCATCGGAGTGAGCAAACCTGTTACTGTTGGCAAACAGTGGGTGTGCAAGCC  
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 AAGGGTGCAGACAGTTGGACACTGCCCATCCTGTCCAAGCAGGCAAGGCCAGAGAATGGAGCATA  
 GGCCATCCAGCATGGACCAGAGTGTGACCTTCCACTGAGTACAGATCCTAGCGGCAGCAGGCCCTGA  
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 AGGAAGCACTCAAATGTCAGCACTGCCAAAACAATTCAAGTCCAAGGCTGGCCTCACTACCACACCAT  
 GGCTGAACACAGTGCCAAGCCCACGGATGCTGAGGCCTCTGAAGGGGAGAACAGGAGGAGCGGGAGAGG  
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 GCCTCATGGGTTATCAATACCACCAGCGCGCTGTGGGAAGCCACCTGTGAGGTAGACAGTCCCTCCTT  
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 TGAAGTGGCCCGTACTGGACCAACGACGCATGAAGGATGACCTTGTGCTGAGACTGCACGACTCAAC  
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 AGGAAAGAAGCGGGCCGAAACCAAGGAACGATCCTCCGAGGAGCCAGCATCTAAGCTCCCCCTAAC  
 AGGGATGACTGGCCCCAGGAGGAGACAGGGGTCCCGAGCTCCACTGGGAAGAAGGCTGGAGCTG  
 GGAAGGCACCTGAAAAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >MG213770 representing NM\_001164597  
 Red=Cloning site Green=Tags(s)

MTESFCVGGRRRLQGSSKSGPGKGGSRKEAQLPLLQDPPKLGMPVVHSGHTVPSQAPLCFDPGNSASDKT  
 EGKKKGRPKAENQALRDIPLSLMNQWKDEFKAHSRVKCPNSGCWLEFPSIYGLKYHYQRCQGGAI SDRLA  
 FPCPFCEAAFTSKTQLEKHRIWNHMDHPLPAPKPGVSRPVTISRVPVGVSKPIGVSKPVTVGKPVGVSKP  
 IGISKPVTVSRPIPVTKPVTVSRPMQVSRPVPVTKPIPIITKPVPLTKHMPVTKLTVVSKPVPLTKPVVPS  
 RPIVVSVPVSRPIAISRHIPPCKMVLVLSKENKTLRATGKNSNKKRAADSLDTCPILSKQARPENGGAY  
 GPSSMDQSVTFPLSTDPSSGRPLMGKEALRPIGPVVSQPEEDPERTKHRRKQKTPKKFTGEQPSISGTFGL  
 KGLAKAEDKARVHRSKKQEGSGSEEVRRKVLATPVTVSKEAPTVAHPAPGGPEEQWQRAIHERGEAVCP  
 TCNVVTRKTLVGLKKHMEVCHKLQEALCKQHCRCQFQKSKAGLNYHTMAEHSKAPTDAAESEGGEQERER  
 LRKVLKQMGRLRCPQEGCGAAFFSSLMGYQYHQRRCGKPPCEVDSFPCFTHCGKTYRSKAGHDYHVRSEH  
 TAPPPEDPTDKIPEAEDLLGVERTPSGRIRRTSAQVAVFHLQEIAEDELARDWTKRRMKDDLVPETARLN  
 YTRPGLPTLNPQLLEAWKNEVKEKGHVNCPNDCEAIYASVSLKAHLASCCKGDHLVGKYRCLLCPKEF  
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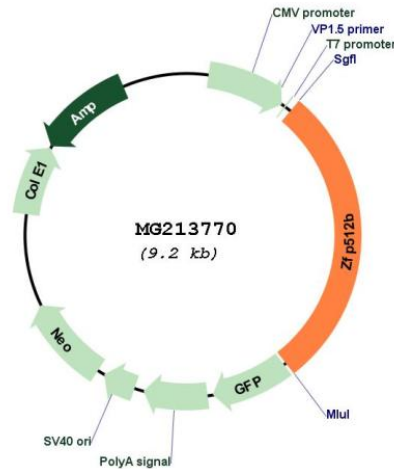
TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001164597

**ORF Size:** 2607 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\\_001164597.1](#), [NP\\_001158069.1](#)

**RefSeq Size:** 5390 bp

**RefSeq ORF:** 2610 bp

**Locus ID:** 269401

**Cytogenetics:** 2 H4