

## Product datasheet for **MG215099**

### Zfp712 (NM\_001166218) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Zfp712
<b>Synonyms:</b>	4921504N20Rik; mszf31; mszf89
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG215099 representing NM\_001166218, codon optimized.  
 Due to the complexity of NM\_001166218, the ORF clone is codon optimized for mammalian Expression.  
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAGGAAATGTTGTCCTTTAGAGACGTGCAATCGATTTTACGGAAGAAGAGTGGGAATGCCTCGAGC  
 CCGCTCAGTGGGATTTGTATCGAGATGTAATGCTGGAGAATTATTCACATCTCGTGTCTCGGGCTCGC  
 GTTCTCAAAGCCATATCTTGTGACCTTCTGGAGCAGCGACGGAGCCATGGAACGTTAAGGAGGCTGCA  
 ACTGTTGCGGCGCACCCGGCATTAAAGCCATACACATTCAAGGAATGTGGTAAAACCTTTCCGTGGAATT  
 CACTGCTGATACAGCAGCATAAGATCCGCCTGGAGCCAAGCTGTATAAGTGCGACGAATGTGGGAAGAG  
 TTTCAATGTACGGTCCACTCTGTATAAACATCATAGGACACACACCCGGTAAAAACCTTATAAGTGAAG  
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 CTTTGAGTCAGCATCAGAGAATCCACACGGGCGAGAAACCCTACAAGTGCGAAGAATGTGGCAAAGCATT  
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 CTTTGTCTGTCACCAACGCATCCATACGGGTGAAAAACCTATAAATGTAAGAATGCGGGGAAGCCCT  
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 CCTTGATCAAGCACCAGCGAATTCATACTGGAGAAAAGCCCTACGCTTGTAAAGGAGTGTCTAAGGCTTT  
 TAAACAACAGCAGTTCACTGATCCGGCACCAACGGATTCACATCGGCATCGAGACTGGAGATCCAGGGA  
 ATCTGGCAGGGACTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

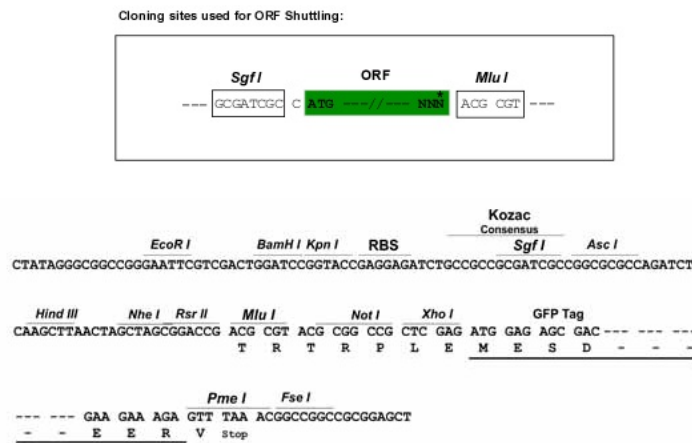
**Protein Sequence:** >MG215099 representing NM\_001166218  
 Red=Cloning site Green=Tags(s)

```
MEEMLSFRDVAIDFSEEWECELEPAQWDLYRDVMLENYSHLVFLGLAFSKPYLVTFLEQRREPWNVKEAA
TVAAHPGAIKPYTFKECGKTFPWNSLLIQQHKIRPGAKLYKDCGKSFNVRSTLYKHHRTHTGEKPYKCK
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CSKAFNCSSSLNQHRIHTGEKRYICECGKAFNNSALTQHRIHSGEKPYKCECGKAFYNCSALSRH
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CGQTFICSSYLHKHQIHAIEKLYECKECGKTFSCSSYLKYHQRFHTGGKSYTCKEEDKTRSSSYLRNH
QRFHTGEKPYTCKEKGKAFVNSSLLVHQRIHTGEKPYKCKEKGKAFRCSSYFYHQRLHTGEKPYTCKE
CGKAFKSSCLILHQRIHTGEKPYKCECGQAFICSSYLKHKHQRIHTGEKPYTCECGKAFSIYSTYAQH
QRIHTGEKPYKCKEEDKAFNNSALIKHQRIHTGEKPYACKESKAFNNSSLIRHQRIHIHIETLEIQG
IWQGL
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001166218

**ORF Size:** 2115 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\\_001166218.1](#), [NP\\_001159690.1](#)

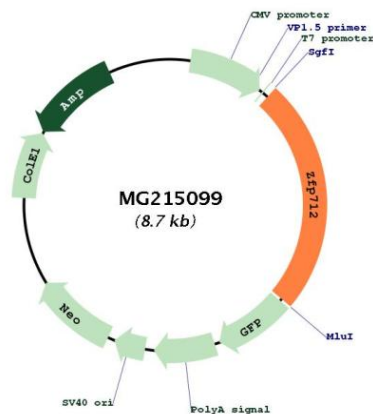
**RefSeq Size:** 3970 bp

**RefSeq ORF:** 2118 bp

**Locus ID:** 78251

**Cytogenetics:** 13 B3

### Product images:



Circular map for MG215099