

## Product datasheet for **MG223441**

### Zfp64 (NM\_009564) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp64 (NM_009564) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG223441 representing NM\_009564  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACGCGAGCGTGGAAGGAGACACCTTTTCTGGATCGATGCAAATCCCAGGAGGCACCACGGTGTCTGG  
 TGGAGCTGGCACCGGACATCCACATCTGCGGCCTCTGTAAGCAGCACTTCAGCAATCTGGATGCCTTTGT  
 GGCCACAAACAGAGCGGCTGCCAGTGACTACCACGCCGGTGACAGCCCCCAGCACGGTCCAGTTTGTG  
 GCAGAGGAGACAGAGCCTGCCACCCAGACCACCACAACGACCATCAGTTCAGAGACTCAGACTATCACAG  
 TTTTCAGCTCCAGAGTTCTCTTTGAACATGGCTACCAAACCTTACCTGCCACGGAGAGCACTGACAAACA  
 GACAGCCACCGTGATCTCTCTCCCACCAAGTCACGCACCAAAAAGCCACAGCACCCCTGCTCAGAAG  
 AGACTCGGCTGTCTATCCAGTTGCCAGTTCAGACCCCTATGGCATGAAGGACATGGAGCGACACC  
 TGAAGATCCACACCGGTGACAAACCCACAAGTGTGAGGTGTGCGGGAAGTGCTTCAGCCGAAGGACAA  
 GCTGAAGACGCACATGCGCTGCCACACGGGCGTCAAGCCCTACAAGTGAAGACGTGCGACTACGCGGCG  
 GCGGACAGCAGCAGCTTAAACAAGCACCTGCGCATCCACTCGGACGAGCGACCCTTCAAGTGCCAGATCT  
 GTCCCTACGCCAGTCGCAACTCCAGCCAGCTCACCGTGCACCTGCGCTCGCACACGGGGGACGCCCCCTT  
 CCAGTGTCTGGCTGTAGTGCCAAGTTCAAAATCAGCTCGGACTTGAAAAGGCACATGCGTGTGCACTCG  
 GGGGAGAAGCCTTTCAAGTGCGAATTCTGCAATGTCCGCTGTACCATGAAGGGGAACCTCAAATCGCACA  
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 CCTGCGGAAGCACAGTGCCTGCACAGTCGGAGCACCCGGAGAAGTGTCCCGAGTGCAGTACTCCTGT  
 TCCAGCAAGGCTGCGCTGCGCGTGCACGAGCGCATCCACTGCACCGAGCGCCCGTTCAAGTGCAGTACT  
 GCAGCTTCGATACCAAGCAACCCAGCAACCTGAGCAAGCACATGAAGAAGTTCACGCCGACATGCTCAA  
 GAACGAGGCTCCGGAGAAGAAGGAGAGCGCAGGCAGCAGCCGGCAGGTGGCCAGGCTGGATGCCAAG  
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 AGCACAGTGAGTACCACAGTAAGAAGTCCGACGTGACTGTAGTACAGCTTACCTTGAACCCAGCAAGCA  
 GCCGGCTGCGCCCTCACCGTAGAGCAATCCAGGTCCCCTCCAGTCCAGCCAGGTGCCCCAGTTCAGC  
 GAGGGGAGGGTCAAGATCATCGTGGGCATCAGGTGCCTCAGACGAACGCCATAGTCCAAGCGGCCGAG  
 CTGCCGTAACATTGTGCCCCCACCCTGGTAGCCAGACCCAGAGGAGATCCAGGGAACGGCCGGCT  
 ACAGATCCTTCGCCAGGTCAGTCTATTGCCCTCCTCAGTCTCCGGGTGTCCCGGCGAAGCAGGTGCC  
 CTGAGTCAGCCAAGTGTCTGTGACCACCCATGATCAGACGGCAGGGGCCGCCCTGCAGCAGGCTCTGA  
 TCCCCACACCCCGTTGGGACCCAGGAAGGCACGGGAAACCAGACATTCATTGCCAGTTCGGGCATCAC  
 GTGCTCGGACTTGGAAGGCTTAAAGCTCTGATTACAGGAGGAACGACGGAAGTACTGTGGTGAGCGAT  
 GGGGACAGAGCATCGCAGTGGCCACCACGGCACCCCTCTATCTTCTTACCCAGCAGGAAGTGCCTAAGC  
 AGACTTACTCCATCATCCACGGGGCGGCACACCCCGCCCTGCTGTGCCGCTGACTCCATTCCTGAT

**ACGCGT**ACGCGGGCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG223441 representing NM\_009564  
Red=Cloning site Green=Tags(s)

```
MNASVEGDTFSGSMQIPGGTTVLVELAPDIHICGLCKQHFSNLDAFVAHKQSGCQLTTTPVTAPSTVQFV
AEETEPATQTTTTTISSETQITITVSAPEFVFEHGYQTYLPTTESTDNQTATVISLPTKSRTKKPTAPPAQK
RLGCCYPGCQFKTAYGMKDMERHLKIHTGDKPHKCEVCGKCFSRKDCLKTHMRCHTGVKPYKCKTCDYAA
ADSSSLNKLRIHSDERPFKCQICPYASRNSSQLTVHLRSHTGDAPFQCWLCSAKFKISSDLKRHMVRHS
GEKPFKCEFCNVRCTMKGNLKSIRIKHSGNNFKCPHCDLGDGSKSTLRKHSRLHQSEHPEKCPECSYSC
SSKAALRVHERIHCTERPFKCSYCSFDTKQPSNLSKHMKKFHADMLKNEAPEKESGRQSSRQVARLDAK
KTFHCDICDASFMRDSLRSRHRQSEYHSHKNSDVTVVQLHLEPSKQPAAPLTVEQIQVPLQSSQVQPFS
EGRVKIIVGHQVPQTNAIVQAAAAAANIIPPTLVAQTPEEIPGNRQLQILRQVSLIAPPQSSGCPGEAGA
LSQPTVLLTTHDQTAGAALQQALIPPTPVGTQEGTGNQTFIASSGITCSDLEGLNALIQEGTTEVTVVSD
GDQSIAVATTAPSIFFSTQQELPKQTYSHIIGAHPALLCPADSIIPD
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_009564

**ORF Size:** 2028 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\\_009564.2](#), [NP\\_033590.2](#)

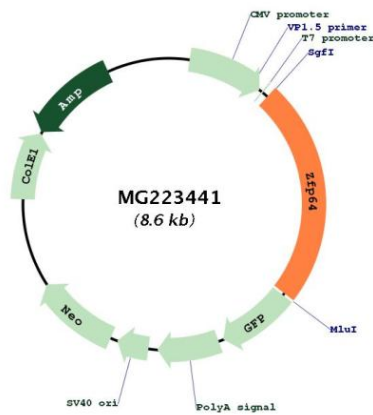
**RefSeq Size:** 2770 bp

**RefSeq ORF:** 2031 bp

**Locus ID:** 22722

**Cytogenetics:** 2 88.99 cM

**Product images:**



Circular map for MG223441