

Product datasheet for **MG214595**

Zfp362 (NM_001081098) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zfp362
Synonyms:	RP23-467J23.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214595 representing NM_001081098
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTAGAAGCTCACCAAGTGGGAAAGGACCCTCTAGGATGGCCGAACCTCGATTTAACAAACCCGACT
TCTGGCCCCCTCTCCCACCATGCCGAGCCAGCTGGACAACCTGGTCTGATTAACAAGATCAAAGAGCA
GCTGATGGCTGAAAAGATCCGGCCACCTCACCTGCCACCCACCTCAGCCTCATCGCAGCAGCCACTGCTA
GTCCCTCCCGCGCCCGCGAGAGCAGCCAGGCGGTCTGTGCTGCCAAGCTGCAGCAGGTGCCCGGGC
TGCACCCGAGTCCGTGCCGACGCCGACGTGGCACTGCACGCGAGGCCGGCCACCAGTACTGTACAGG
TCTGGGGCTTTCTCTCGAACCCTGCTGTGAGTACATCTGAGTCAACCCAGGGACTGGAACAGGCACC
AGTACCCCGTCCACACCACCACCAGCCAGAGCCGCTCATCGCTCATCCCCACCCTCATCTCAG
GGATCACCAGCCCCACTCTGGACTCCATCAAGACAATCCAGGGCCACGGTCTGCTTGGCCCCCAA
GTCTGAACGCGCCGAAAAAGATCAAGGCAGAGAACCAGGGGTCCCCCTGTCTTGTTCCTCCGATC
CCCATCTGGCCTCCGGTGAGACCCGAAAGGAGGGCAAGACATACAGGTGTAAGGTCTGCCGCTCACCT
TTTTACCAAGTCTGAGATGCAGATCCACTCCAAGTCGCACACCCAGGCCAAGCCCCACAAGTGCCACA
CTGCTCCAAGTCTTTGCCAACGCTCCTACCTGGCCAGCACCTGCGCATCCACCTGGGTGTCAAGCCC
TACCACTGCTCCTACTGTGACAAGTCTTCCGGCAGCTCTCCACCTCCAGCAACATACCAGAATCCACA
CAGGGCAGAGACCATAAAGTCCCGCATCTGGCTGCGAAAAGGCTTTCACTCAGCTCTCAACCTCCA
GTCTCACCAGCGCCAGCACAATAAGGACAAGCCCTACAATGTCCAACTGCTACCGGGCTACTCAGAC
TCCGCTCCCTCCAGATCCACCTCTGCCCATGCCATCAAGCACGCCAAGGCCTACTGCTGCAGCATGT
GCGGGCGGGCTACACCTCGGAGACCTACCTGATGAAGCACATGTCCAAACACACAGTGGTGAACACCT
GGTGAGCCATCACTCACCCAGAGGACCGAGTCCCCCGCATCCCGGTGCGAATCTCTCTGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



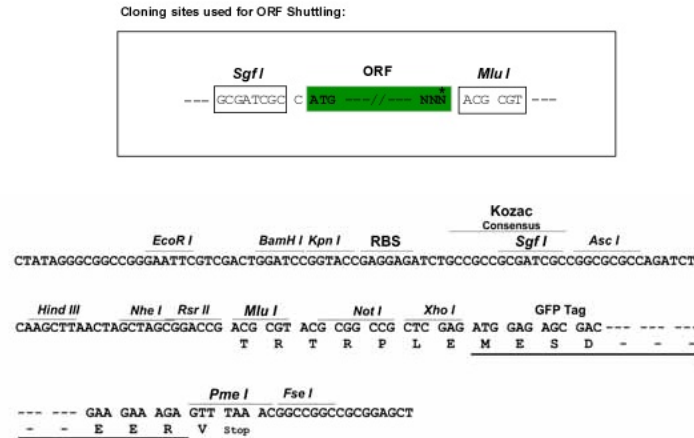
Protein Sequence: >MG214595 representing NM_001081098
 Red=Cloning site Green=Tags(s)

MSRSSPSGKGPSRMAEPRFNNPYFWPPPTMPSQLDNLVLIINKIKEQLMAEKIRPPHLPPTSASSQQPLL
 YPPAPAESSQAVMSLPLKQQVPLHPQSVQPQDVALHARPATSTVTGLGLSSRTPAVTSESTPGTGTGT
 STPSTPTTTSQSRLIASSPTLISGITSPPLLDISKTIQGHGLLGPPKSERGRKKAENPGGPPVLVVPY
 PILASGETAKEGKTYRCKVCPLTFFTKSEMQIHSKSHTAKPHKCPHCKSFANASYLAQHLRIHLGVKP
 YHCSYCDKSFQRLSHLQHQHRIHTGDRPYKCPHPGCEKAFTQLSNLQSHQRQHKNKDKPYKCPNCYRAYSD
 SASLQIHLSAHAIKHAKAYCCSMCGRAYTSETYLMKHMskHTVVEHLVSHHSPQRTESPGIPVRI SLI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081098

ORF Size: 1254 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_001081098.1](#), [NP_001074567.1](#)

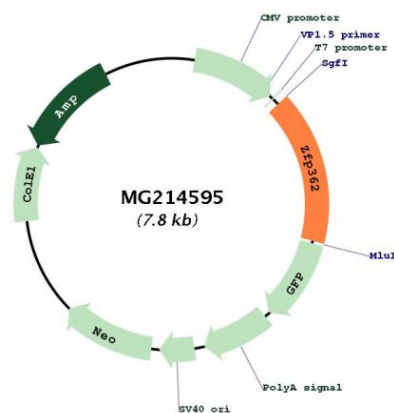
RefSeq Size: 2882 bp

RefSeq ORF: 1257 bp

Locus ID: 230761

Cytogenetics: 4 D2.2

Product images:



Circular map for MG214595