

Product datasheet for **MG216418**

Zfp382 (NM_001081007) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zfp382
Synonyms:	5930415A09Rik; Znf382
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG216418 representing NM_001081007
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAAGACCGGGGAGGAAACCGAGAGGCCGAGCCAGGCCTGGACTCTTCCCATTTCCAAAAGAGGAGC
 TCAGACAAGGAGGCTCGTCTCCCGCAAACCTCAACGCCATGTCCAAGGGACCAGTGTCAATCAAGGACGT
 GACCGTGGACTTACCCAGGAGGAGTGGCAACGACTGGACCCTGCCAGAAAGCCCTCTACAGGGATGTG
 ATGCTAGAAAACACTGTCAATTTCTCTGTGGGATTTACATAACAAAACCTGATATGATCCGCAAGT
 TGGAAACAAGGAGAGGAGCTGTGGACAGAGAGAATCTTCCAAGTCAGAGCTATCTAGAAGAGGAGGAAGT
 TTTGGTGAAGTTCACTGACTACCAGGACAAGCCCTCTAAATCGATCGTAATCATCAAGCACAAAGAAGCTA
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 AGTATAAATCTGATGGAAGTTCTGAAAAATATCTCAGAATTCATCAGTAGAGATATAAACCCCTGCAAT
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 CCCAGATTCAGAGCAGAGGTTTGAATATAATAAATGTGACAGCTCCTTCTCATGACAGGAGTGGAAAT
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 AAGCCCTACATTTGCTGTGACTGCGGGAGAGCCTTCCGTGAGAAGACGGCTCTGACACTCCATGAAAAA
 CACATACAGAGGGGAAACCTATCTGTGTGGACTGTGGGAAGTCTTCCGCCAGAAAGGCAACCCCTCAC
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 CAGCGAGTGTGGGAAGTCTTCTGCCAGAAGACAACCTGACCCTCCATCAGCGGATCCACACTGGGGAG
 AAGCCCTACATCTGCAGTGAATGCGGGAAAGTCTTCCGCCAGAAAGGCAATCCTCACTGTGACTACAGAA
 TACATACAGGAGAAAAGTCCAATGGCTGTCCCAAGTGTGGGAAAGCCTTCAAGTAAAGTGTGGAATTCAT
 TCGCCACCAGAAAATTCACACAGGAGAAAACCCCTATGAATGTCAAGAGTGTGGAATTTCTTAGCTGT
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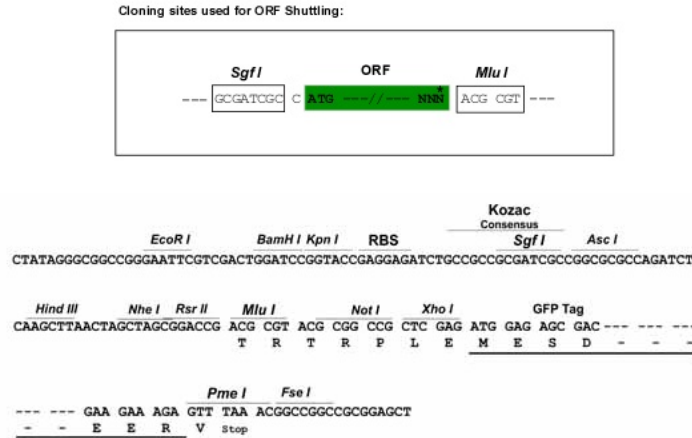
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216418 representing NM_001081007
 Red=Cloning site Green=Tags(s)

MGRPGRKPRGRARPGLFFPPEELRQGGSSPANLNAMSKGPVSFKDVTVDFTQEEWQRLDPAQKALYRDV
 MLENYCHFISVGFHITKPMIRKLEQGEELWTERIFPSQSYLEEEVVKFSDYQDKPPKSIVIIKHKLL
 IKERSSVYGEALGKNRVVSKTLFEYKSDGKVLKNISEFISRDNPAMGKLGSKWEWGSILTSKQEKTHP
 ASILHKQIGRALSSWDLAQHQKTQIPEQRFYENKCDSSFLMTGVFPHGRAHRGGGNFNYSKDDITLFE
 KSDLGIHPHDLMEKKSSYNKYGELLCRKSVFVMHPSSQMDERPFQCPYCGNSFRKSYLIEHERIHTGE
 KPYICCCQCGRAFRQKTALTLHEKTHTEGKPYLVCDCGKSFRQKATLTRHKAHTGEKAYECTQCGSAFGK
 KSYLIDHQRTHTEGKPYQCTECGKAFIQKTTLTVHQRTHTEGKPYICSECGKSFQKTTLLHQRTHTEG
 KPYICSDCGKSFRQKAILTVHYRIHTGEKSNQPCGKAFSRKSNLIRHQIHTGEKPYECQECGKFFSC
 KSNLITHQKTHKTETMRFQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001081007

ORF Size: 1737 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:

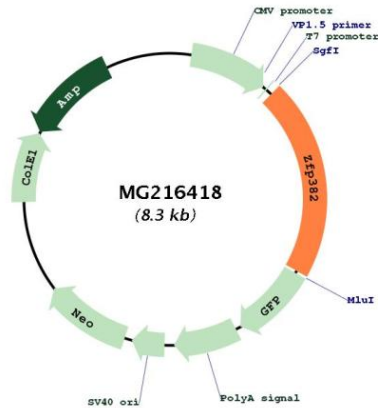
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001081007.2](#)

RefSeq Size: 2193 bp

RefSeq ORF:	1740 bp
Locus ID:	233060
UniProt ID:	B2RXC5
Cytogenetics:	7 B1
Gene Summary:	Functions as a sequence-specific transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG216418