

Product datasheet for **RG215975**

ZNF418 (NM_133460) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF418 (NM_133460) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF418
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG215975 representing NM_133460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATCGAGGGCACTGTGGCATTGAAGATGTGGCTGTGAACCTTTCCAGGAGGAGTGGAGTCTCCTTAGTG
 AGGTTTCAGAGATGCCTTTACCATGACGTGATGCTGGAGAACTGGGTACTTATATCCTCCCTGGGTTGTTG
 GTGTGGATCAGAAGATGAGGAGGCACCTTCTAAGAAGAGCATTCTATACAAAGAGTGTCTCAGGTCAGC
 ACTCCTGGGGCAGGTGTGTCTCCCAAGAAGGCCACTCTTGTGAAATGTGTGGCGCATCTTGGGAGACA
 TTTTGCATTGGCAGATCATCAGGGGACACATCACAAGCAGAACTGCACAGGTGTGAGGCATGGGGGAA
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 GTTGAGGAAGCATTGTTTGTGAAGAGGTGAAGTTCCATGTGTGAGAGGAGTCATCTATCTTCATTGAG
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 ACTGCAGAAAGACCTTATGAGTGCAGAGAATGTGGGAAATCTTCTCCAGTCTCCTTGAACACAGGAGAG
 TTCACACTGGAGAAAGGCCTTATGAATGCAGGGAATGTGGAAAAACATTTACTCGAAGGTCTGCGCATTT
 TAAACATCAGAGACTTCATACTCGAGGAAAGCCTTACGAGTGCAGCGAATGTGGGAAATCCTTTGCTGAA
 ACCTTCAGTCTTACTGAACACAGGAGAGTACACACTGGAGAAAGGCCTTATGAGTGCAGTGAATGTGGAA
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ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

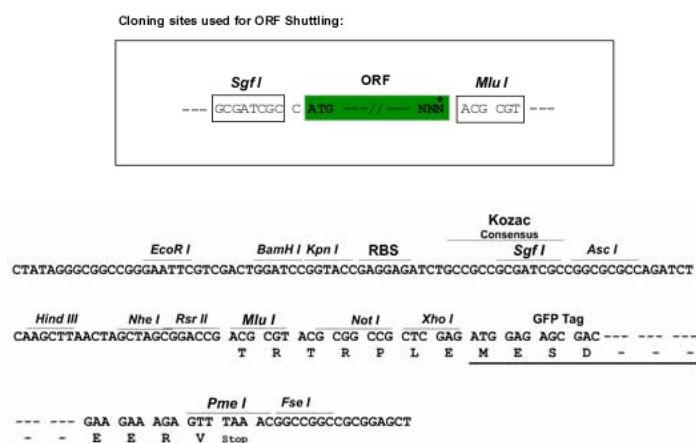
Protein Sequence: >RG215975 representing NM_133460
 Red=Cloning site Green=Tags(s)

MQGTVAFEDVAVNFSQEWSLLSEVQRCLYHDMLENWVLISLGCWCGSEDEEAPSKKSSISIQRVSVS
 TPGAGVSPKKAHSCMCGAILGDILHLADHQGTHHKQKLHRCEAWGNKLYDSSNRPHQNQYLGEKPYRSS
 VEEALFVKRCKFHVSEESSIFIQSGKDFLPSSGLLLQEATHTGEKSNSKPECESPFQWGDTHYSCGECMK
 HSSTKHVFVQQRLPSREECYCWECEGKSFSGYDSVSNHQRVHTGKRPYECGECGKSFHKGSLVQHQRVH
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 FQDSSGRVHQRVHTGEKPFECSECGKSFQSCSLLRHRRVHTGERPYECGECGKSFHQSSLLRHQKTH
 TAERPYPECRECGKFFSLLHRRVHTGERPYECRECGKTFTRSAHFHKHQLHTRGKPYECSECGKSFAT
 TFSLTEHRRVHTGERPYECSECGKSFHRSSLLRHQRVHTERSPYK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133460

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_133460.3](#)

RefSeq Size: 3712 bp

RefSeq ORF: 2031 bp

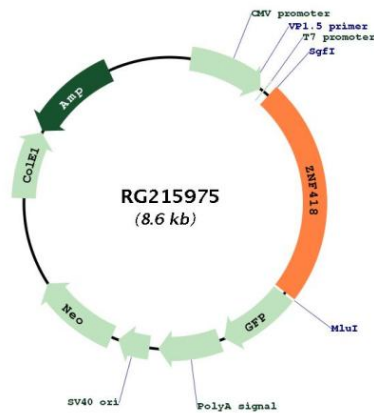
Locus ID: 147686

UniProt ID: [Q8TF45](#)

Cytogenetics: 19q13.43

Gene Summary: Transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215975