

Product datasheet for **RG203008**

ZNF764 (NM_033410) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: ZNF764 (NM_033410) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: ZNF764
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG203008 representing NM_033410
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCGCTCTGGCCCCGCTCCCTCCCCGGGACCCAAACGGGGCCGGACCCGAGTGGAGGGAGCCGG
 GGGCTGTGAGCTTCGCGGACGTGGCCGTACTTCTGCCGGGAGGAGTGGGGCTGCTTCCGGCCAGCGCA
 GAGGGCCCTGTACCGGACGTGATGCGGGAGACCTACGGCCACCTGAGCGCTCTCGGAATCGGAGGCAAC
 AAGCCAGCTCTCATCTCCTGGGTGGAGGAGGAGGCCGAATTGCGGAAACAAGAAAAGGAAAGCAAAGGGGAGG
 TGGCGAAATGTGAGACAAACCGACCCAGCAGATTCCAGAAACAAGAAAAGGAAAGCAAAGGGGAGG
 GACGGGAGCCCTGGAGAAGCCCGACCCTGTGGCCGCCGGGTCTCCTGGGCTGAAGTCTCCCAAGCCCCC
 TCGGCCGGGCCCCCTTATGGTTGGGAGCAGCTGTCCAAGGCACCCGACCCGGGACGCCCTCCCTCTGTG
 CCCACCCCTGTCCCCGAGCTGACCAGCGTCATGGCTGCTACGTGTGCGGGAAGAGCTTTGCCTGGCG
 CTCCACACTGGTGGAGCACGTCTACAGTCACTGGCGAGAAGCCCTTCCACTGCACTGACTGCGGCAAG
 GGCTTCGGCCACGCTTCTCCCTGAGCAAACACCGGGCCATCCATCGTGGGAGCGGCCCCACCGCTGTC
 TGGAGTGTGGCCGGCCCTCACGCAGCGCTCGGCCTGACTTCGCACCTGCGCGTCCACACCGGCGAGAA
 ACCCTATGGCTGCGCCGACTGTGGCCGCCGCTTCAGCCAGAGCTCTGCCCTTACCAGCACCGGCGCGTG
 CACAGCGGCGAGACCCCTTCCCTGCCGGACTGTGGCCGCGCCTTCGCTACCCCTCGGACTGCGGC
 GCCACGTGCGCACCCACACCGGGGAGAAGCCCTACCCGTGCCCGACTGCGGGCGCTGCTCCGCCAGAG
 CTCGGAGATGGCAGTCCACAGGCGCACCCACAGCGGCGAGAAGCCCTACCCCTGCCCGCAGTGGCGCCG
 CGCTTTGGCCAGAAGTCAGCCGTGGCCAAACACAGTGGGTTTCATCGGCCGGGGCCGGGGCCACAGGG
 GCCGGGTGCGCGGCGTCTGTCTGTGACCCTGACCCTGGCCACGGAGACCTGGACCCCGCCGTGGGCTT
 CCAGCTGTACCCGGAGATATTCCAGGAGTGTGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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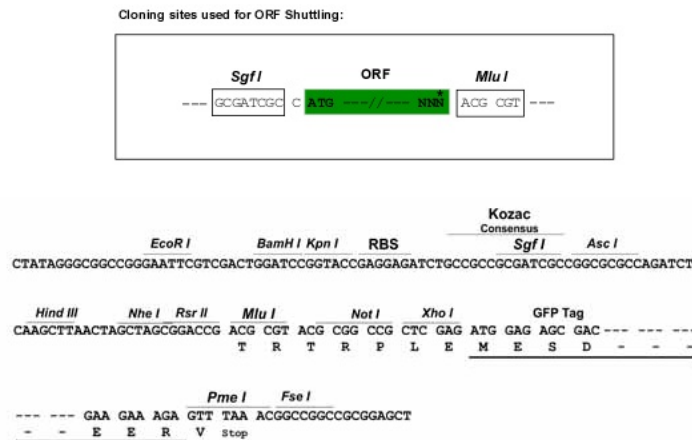
Protein Sequence: >RG203008 representing NM_033410
 Red=Cloning site Green=Tags(s)

MAPPLAPLPPRDPNGAGPEWREPGAVSFADVAVYFCREEWGCLRPAQRALYRDVMRETYGHL SALGIGGN
 KPALISWVEEEAELWGPAADPEVAKCQTQTDPADSRNKKKERQREGTGALEKPDVAAGSPGLKSPQAP
 SAGPPYGWELSKAPHRGRPSLCAHPPVPRADQRHGCVCGKSF AWRSTLVEHVYSHTGEKPFHCTDCGK
 FGHASSLSKHRAIHRGERPHRCLCEGRAFTQRSAL TSHLRVHTGEKPYGCADCGRRFSQSSALYQHRRV
 HSGETPFPCDCGRAFAYPDLRRHVRTHTEKPYPCDCGRCFRQSSSEMAVHRRTHSGEKPYPCQCGR
 RFGQKSAVAKHQVHRPGAGGHRGRVAGRLSVTLTPGHGDLDPVGFQLYPEIFQECCG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033410

ORF Size: 1224 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_033410.2](#), [NP_219363.1](#)

RefSeq Size: 2759 bp

RefSeq ORF: 1227 bp

Locus ID: 92595

UniProt ID: [Q96H86](#)

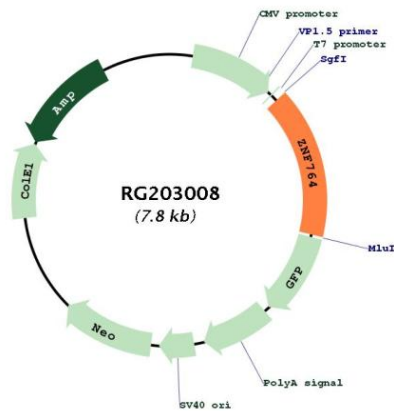
Cytogenetics: 16p11.2

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203008