

Product datasheet for **RG214388**

ZFP64 (NM_018197) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZFP64
Synonyms:	ZNF338
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214388 representing NM_018197
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAACGCGAGCAGCGAGGGCGAGAGCTTCGCGGGCTCGGTGCAAATTCAGGTGGCACAACGGTGCTGG
 TGGAGCTGACTCCCGACATCCATATCTGCGGCATCTGCAAGCAGCAGTTTAACAACCTGGATGCCTTTGT
 AGCTCACAAAGCAAAGTGCTGCCAGCTGACAGGCACATCCGAGCAGCCCCAGCAGGTCCAGTTTGT
 TCGGAGGAAACAGTGCTGCCACCCAGACTCAGACCACCACAGAACCATCACCTCGGAGACCCAGACAA
 TCACAGTTTCAGCTCCAGAATTTGTTTTGAACATGGCTATCAAACCTACCTGCCACGGAAAGTAATGA
 AAACACAGACAGCCACTGTCATCTCTCCCTGCCAAGTCACGCACCAAAAAGCCACAAACACACCTGCT
 CAGAAAAGGCTTAAGTGTGCTATCCAGGTTGCCAATCAAGACTGCTTATGGCATGAAGGACATGGAGC
 GGCATTTAAAAATTCACACGGGAGACAAACCCATAAGTGTGAAGTCTGTGGCAAGTCTTATGCCGGAA
 AGACAAAGTGAAACTCACATGCGGTGCCACACGGGCGTGAAGCCCTACAAGTGAAGACGTGTGACTAC
 GCGCGTGCCGACAGCAGCAGCCTCAACAAGCACCTGAGGATCACTCGGACGAGCGGCCCTTCAAATGCC
 AGATCTGCCCTACGCCAGCCGAACCTCCAGCCAGCTCACTGTCCACCTGCGATCCCACACGGGGAGCGC
 CCCCTTCCAGTGCTGGCTCTGTAGCGCCAGTTCAAAATCAGCTCGGACTTGAAAAGGCACATGCGGGTG
 CACTCGGGGGAGAAGCCTTTCAAGTGCAGTTCGCAATGTCCGCTGCACCATGAAGGGGAACCTCAAGT
 CGCACATCCGTATCAAGCACAGCGGGAATAACTTCAAGTGTCTCATTGCGACTTCCTGGGTGACAGCAA
 AGCCACCCTCCGGAAGCACAGCCGCTGCACCATCGGAGCATCCTGAGAAGTCTCGGAATGCAGCTAC
 TCCTGCTCCAGCAAGGCCGCCCTGCGCATCCACGAGCGTATCCACTGCACCGACCGCCCTTCAAGTGCA
 ACTACTGCAGCTTCGACACCAACAGCCAGCAACCTGAGCAAGCACATGAAGAAGTTCCATGGGGACAT
 GGTTAAGACTGAGGCTCTAGAGAGGAAGGACACCGGCAGGCAGAGCAGCCGGCAGGTGGCCAAGCTGGAT
 GCCAAGAAGAGTTTCACTGCGATATATGCGATGCCTCCTTCATGCGGGAGGACTCGCTCCGAGCCACA
 AGAGACAGCACAGTGAGTACAGTGAGAGTAAGAAGTTCGACGCTGACCGTTCTCCAGTTTCAGATCGACCC
 CAGCAAGCAGCCCGCCACGCCCTCACTGTGGGACACCTCCAGGTGCCCTCCAGCCAGCCAAGTGCC
 CAGTTCAAGCAGGGGAAGAGTCAAAATCATCGTTGGGCATCAGGTGCCCCAGGCGAACACCATCGTCCAGG
 CTGCCCGCGTGCAGTGAACATCGTCCCGCTGCCTTGGTGGCCAGAACCCAGAGGAACCTCCAGGGAA
 CAGCCGGTGCAGATCCTGCGCCAGGTGAGTCTGATCGCCCCCTCAGTCTCGCGGTGTCCGAGCGAG
 GCGGGCGCAATGACCCAGCCGGCTGCTCTGCTGACACCCACGAGCAGACGGAGGCCACTCTGCACC
 AGACTCTATCCCCACGGCCTCAGGTGGCCCCAGGAAGGCTCTGGCAATCAAACCTTTCATTACCAAGTTC
 GGGTATTACTTGCACTGACTTTGAAGGCCTAAACGCCTTGATTGAGGAGGGGACAGCAGAAGTGACAGTG
 GTGAGCGATGGAGGCCAGAACATCGCAGTGGCCACCACAGCGCCACCGGTCTTCTCCTCTTCCCAGC
 AAGAACTACCAAGCAGACCTACTCCATCATCAAGGGGCAGCCCATCCAGCTTTGCTCTGTCCGCCGA
 CTCATTCCAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

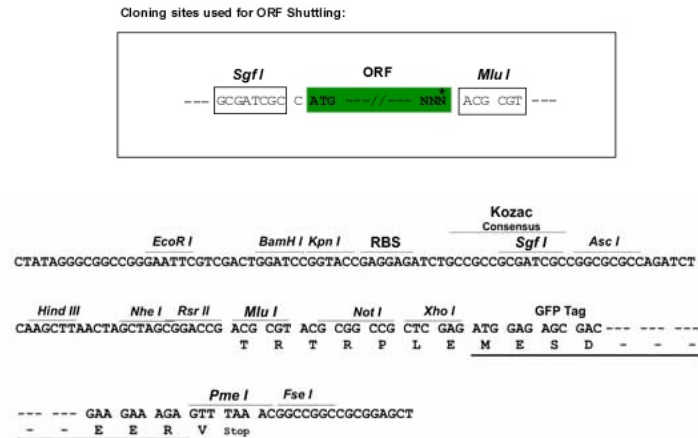
Protein Sequence: >RG214388 representing NM_018197
 Red=Cloning site Green=Tags(s)

MNASSEGESFAGSVQIPGGTTVLVELTPDIHICGICKQQFNNLDAFVAHKQSGCQLTGTSAAPSTVQFV
 SEETVPATQTQTTRTITSETQITIVSAPEFVFEHGYQTYLPTESNENQTATVISLPAKSRTKKPTTPPA
 QKRLNCCYPGCGFTAYGMKDMERHLKIHTGDKPHKCEVCGKCFSRKDKLKTMRCHTGVKPYKCKTCDY
 AAADSSSLNKHLRIHSDEPFKQICPYASRNSSQLTVHLRSHTGDAPFQCWLCSAKFKISSDLKRHMV
 HSGEKPFPKCEF CNVRCTMKGNLKSIRIKHSGNNFKCPHCDFLGDSKATLRKHSRVHQSEHPEKSCSY
 SCSSKAALRIHERIHCTDRPFKCNYSFDTKQPSNL SKHMKKFHGDVMKTEALERKDTGRQSSRQVAKLD
 AKKSFHCDICDASFMRDLSRSHKQHQSEYSESKNSDVTVLQFQIDPSKQPATPLTVGHLQVPLQPSQVP
 QFSEGRVKIIVGHQVPQANTIVQAAAAVNIVPPALVAQNPEELPGNSRLQILRQVSLIAPPQSSRCPSE
 AGAMTQPAVLLTTHEQTDGATLHQTLIPTASGGPQEGSGNQTFITSSGITCTDFEGLNALIQEGTAETV
 VSDGGQNIATVAPPVSSSSQQLPKQTYSIQGAHPALLCPADSIPD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018197

ORF Size: 2043 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.

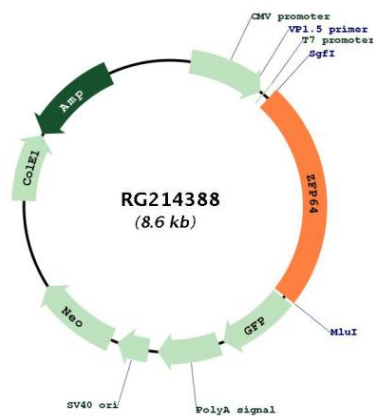
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018197.3](#)

RefSeq Size: 3281 bp

RefSeq ORF:	2046 bp
Locus ID:	55734
UniProt ID:	Q9NTW7
Cytogenetics:	20q13.2
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214388