

Product datasheet for **RG200128**

ZFP64 (NM_199427) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP64 (NM_199427) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZFP64
Synonyms:	ZNF338
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200128 representing NM_199427
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACGCGAGCAGCGAGGGCGAGAGCTTCGCGGGCTCGGTGCAAATTCAGGTGGCACAACGGTGTCTGG
 TGGAGCTGACTCCCGACATCCATATCTGCGGCATCTGCAAGCAGCAGTTTAAACAACCTGGATGCCTTTGT
 AGCTCACAAAGCAAAGTGGCTGCCAGCTGACAGGCACATCCCGCAGCAGCCCCAGCACGGTCCAGTTTGT
 TCGGAGGAAAACAGTGCCTGCCACCCAGACTCAGACCACCACCAGAACCATCACCTCGGAGACCCAGACAA
 TCACAGTTTCAGCTCCAGAATTTGTTTTGAACATGGCTATCAAACCTACCTGCCACGGAAAGTAAATGA
 AAACCAGACAGCCACTGTCATCTCTCCCTGCCAAGTACGCACCAAAAAGCCACAACACCACCTGCT
 CAGAAAAGGCTTAACTGTTGCTATCCAGGTTGCCAATCAAGACTGCTTATGGCATGAAGGACATGGAGC
 GGCATTTAAAAATCACACGGGAGACAAACCCATAAGTGTGAAGTCTGTGGCAAGTCTTACCGGGAA
 AGACAAGCTGAAAACTCATGCGGTGCCACACGGGCGTGAAGCCCTACAAGTGAAGACGTGTGACTAC
 GCCGCTGCCGACAGCAGCAGCCTCAACAAGCACCTGAGGATCCACTCGGACGAGCGGCCCTCAAAATGCC
 AGATCTGCCCCTACGCCAGCCGCAACTCCAGCCAGCTCACTGTCCACCTGCGATCCCACACGGCTTCAGA
 ACTTGATGATGATGTTCCAAAAGCAAACCTGCTCTCCACTGAAAGCACTGACACTCCGAAGGCCCTGT
 ATCACTCTTCCCTCAGAGGCAAGGGAACAAATGGCCACCCTTGGAGAGAGGACGTTCAACTGTTGCTACC
 CAGGTTGCCACTTCAAACCTGTCATGGCATGAAAGACTTGGACCGCCATCTCAGAATCCACACGGGAGA
 CAAACCGCACAAAGTGTGAGTTCTGTGACAAGTCTTACCGGGAAGGACAACCTGACCATGCACATGCGG
 TGCCACACCAGTGTGAAGCCACACAAGTGTACCTGTGTGACTACGCTGCCGTGGACAGCAGTAGCCTCA
 AGAAGCACCTGCGGATCCACTCTGATGAGCGGGCGTACAATGCCAGCTTGCCCTATGCCACCGCAA
 CTCAGCCAGCTCACCGTCCACCTGCGATCTCACACGGGGGATACCCCTTCCAGTGTGCTGTGAGC
 GCCAAGTTCAAATCAGCTCGGACTTGAAAAGGCACATGATCGTGCCTCGGGGAGAAGCCTTTCAAGT
 GCGAGTTCTGCGAGCTCCGCTGCACCATGAAGGCGAATCTCAAATCGCACATCCGCATCAAGCACACCTT
 CAAATGTCTGCACTGTGCCTTCCAGGGCCGGACCGGGCTGACCTCCTGGAGCACAGCCGGCTGCACCA
 GCCGACCACCCGGAAGTGTCCAGAGTGCAGCTACTCCTGCTCCAGCGCGGCCCTGCGCGTGCACA
 GCAGAGTCCACTGTAAGGACTGTCCCTCAAGTGTGACTTCTGCAGCTTCGACACGAAGCGGCCAGCAG
 CCTGGCCAAGCAGTCGACAAGTGCACAGGGACGAGGCAAGACGGAGAACCGGCCCTTGGGCAAG
 GAAGGGCTCAGAGAGGGCAGCTCCAGCAGTGGCCAAGATCGTGACGCAGAGGGCCTTCCGCTGTGAGA
 CCTGCGGCGCCTCCTTCGTGAGGATGACTCTCTGAGATGCCACAAGAAGCAGCAGATGATCAGAGTGA
 GAACAAGAACTCAGACTTGGTACCTTCCACCGGAAAGCGGTGCTCGGGACAGCTCAGCACCTGGTC
 TCCGTGGGGCAGCTCGAGGCTCCCTAGAGCCAGCCAAGACCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200128 representing NM_199427
 Red=Cloning site Green=Tags(s)

MNASSEGESFAGSVQIPGGTTVLVELTPDIHICGICKQQFNNLDAFVAHKQSGCQLTGTSAAAPSTVQFV
 SEETVPATQTQTTTRTITSETQITVSAPEFVFEHGYQTYLPTESNENQTATVISLPAKSRTKKPTTPPA
 QKRLNCCYPGCFKTA YGMKDMERHLKIHTGDKPHKCEVCGKCF SRKDKLKT HMRCHTGVPYKCKTCDY
 AAADSSSLNKHLRIHSDERPFCQICPYASRNSSQLTVHLRSHTASELDDVVPKANCLSTESTDTPKAPV
 IITLPSEAREQMATLGERTFNCCYPGCFKTVHGMKDLDRHLRIHTGDKPHKCEFCDKCF SRKDNLTMMHR
 CHTSVKPHKCHLCDYAAVDSSSLKKHLRIHSDERPYPKQCPYASRNSSQLTVHLRSHTGDTPFQWLC
 AKFKISSDLKRHMIVHSGEKPFCFCDVRCTMKANLKSIRIKHTFKCLHCAFQGRDRADLLEHSRLHQ
 ADHPEKCEPSYSCSSAAALRVHSRVHCKDCPFKDFCSFDTKRPSLAKHVDKVHRDEAKTENRAPL GK
 EGLREGSSQHVAKIVTQRAFRCECTCGASFVRDLSLRCHKKQHSQSENKNSDLVTFPPESGASGQLSTLV
 SVGQLEAPLEPSQDL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Kozac
Consensus

EcoRI BamHI KpnI RBS SgfI AscI

CTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

HindIII NheI RsrII MluI NotI XhoI GFP Tag

CAAGCTTAAGTCTAGTACGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC -----

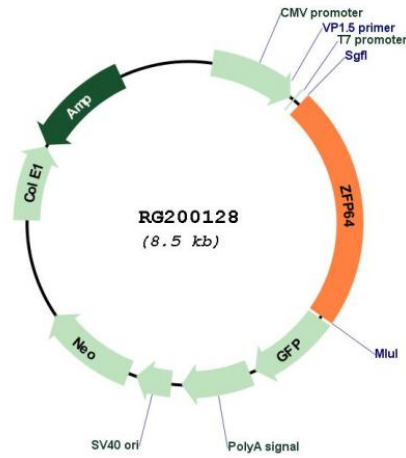
T R T R P L E M E S D - - -

PmeI FseI

----- GAA GAA AGA GTT TAA ACGGCCGGCCGGAGCT

- - - E E R V Stop

Plasmid Map:



ACCN: NM_199427

ORF Size: 1935 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:	<ol style="list-style-type: none">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_199427.1 , NP_955459.1
RefSeq Size:	2854 bp
RefSeq ORF:	1938 bp
Locus ID:	55734
UniProt ID:	Q9NTW7
Cytogenetics:	20q13.2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]