

Product datasheet for **RG217940**

ZFP64 (NM_022088) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP64 (NM_022088) 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:

>RG217940 representing NM_022088
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACGCGAGCAGCGAGGGCGAGAGCTTCGCGGGCTCGGTGCAAATTCAGGTGGCACAAACGGTGTCTGG
 TGGAGCTGACTCCCGACATCCATATCTGCGGCATCTGCAAGCAGCAGTTTAAACAACCTGGATGCCTTTGT
 AGCTCACAAAGCAAAGTGCTGCCAGCTGACAGGCACATCCGCAGCAGCCCCAGCACGGTCCAGTTTGTA
 TCGGAGGAAACAGTGCCTGCCACCCAGACTCAGACCACCACCAGAACCATCACCTCGGAGACCCAGACAA
 TCACAGGTTGCCAATCAAGACTGCTTATGGCATGAAGGACATGGAGCGGCATTTAAAAATTCACACGGG
 AGACAAACCCATAAGTGTGAAGTCTGTGGCAAGTCTTAGCCGAAAGACAAGCTGAAAACCTCACATG
 CGGTGCCACACGGGCGTGAAGCCCTACAAGTGAAGACGTGTGACTACGCCGCTGCCGACAGCAGCAGCC
 TCAACAAGCACCTGAGGATCCACTCGGACGAGCGGCCCTTCAAATGCCAGATCTGCCCTACGCCAGCCG
 CAACTCCAGCCAGCTCACTGTCCACCTGCGATCCACACGGGGGACGCCCTTCCAGTGTGGCTGTGT
 AGCGCAAAGTTCAAATCAGCTCGGACTTGAAAAGGCACATGCGGGTGCCTCGGGGAGAAGCCTTTCA
 AGTGCGAGTTCTGCAATGTCGCTGCACCATGAAGGGAACTCAAGTCCGACATCCGTATCAAGCACAG
 CGGGAATAACTTCAAGTGTCTCATTGCGACTTCTGGGTGACAGCAAAGCCACCCTCCGGAAGCACAGC
 CGCGTGCACCAAGTCCGAGCATCTGAGAAGTGTCTGGAATGCAGTACTCCTGCTCCAGCAAAGCCGCC
 TGCGCATCCACGAGCGTATCCACTGCACCGACCGCCCTTCAAGTGAACACTGACAGCTTCGACACCAA
 ACAGCCCAGCAACCTGAGCAAGCACATGAAGAAGTTCATGGGGACATGGTTAAGACTGAGGCTCTAGAG
 AGGAAGGACACCGGACAGCAGCAGCCGGCAGGTGGCCAAGCTGGATGCCAAGAAGAGTTTCCACTGCG
 ATATATGCGATGCCTCCTCATGCGGGAGGACTCGCTCCGACGCCACAAGAGACAGCACAGTGGATACAG
 TGAGAGTAAGAAGTCCGACGTGACCGTTCTCAGTTTCCAGTTCAGATCGACCCAGCAAGCAGCCGCCAGCC
 CTCACTGTGGACACCTCCAGGTGCCCTCCAGCCAGCCAAGTGCCCCAGTTCAGCGAGGGAAGAGTCA
 AAATCATCGTTGGGCATCAGGTGCCCCAGGCGAACACCATCGTCCAGGCTGCCGCCGCTGCAGTGAACAT
 CGTCCCGCTGCCTTGGTGGCCAGAACCAGAGGAACTCCAGGGAACAGCCGGCTGCAGATCTGCGC
 CAGGTCAGTCTGATCGCCCCCTCAGTCTCGCGGTGTCCGAGCGAGGCGGGCGCAATGACCCAGCCGG
 CTGTCTGCTGACCACCCAGGACAGCAGCGGACGGAGCCACTCTGCACCAGACTCTCATCCCACGGCCTC
 AGGTGGCCCCAGGAAGGCTCTGGCAATCAAATTTTATTACCAGTTCGGGTATTACTTGCAGTACTTT
 GAAGGCCTAAACGCCTTGATTACAGAGGGGACAGCAGAAGTGCAGTGGTGGAGCGATGGAGCCAGAACA
 TCGCAGTGGCCACACAGCGCCACCGGTCTTCTCCTCTTCCAGCAAGAAGTACCCAAGCAGACCTA
 CTCATCATTTCAAGGGGACGCCATCCAGCTTTGCTCTGTCCCGCGACTCCATTCCAGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217940 representing NM_022088
 Red=Cloning site Green=Tags(s)

MNASSEGESFAGSVQIPGGTTVLVELTPDIHICGICKQQFNLLDAFVAHKQSGCQLTGTSAAPSTVQFV
 SEETVPATQTQTTTRITSETQITIGCFKTA YGMKDMERHLKIHTGDKPHKCEVCGKCFSRKDKLKT
 RCHTGKVPYKCKTCDYAAADSSSLNKLRIHSRDERPFKQICPYASRNSSQLTVHLRSHTGDAPFQCWLC
 SAKFKISSDLKRHMVRHSGEKPFCFCFNVRCMTKGNLKSIRIKHSGNFKCPHCDFLGDSKATLRKHS
 RVHQSEHPEKCECSYSCSSKAALRIHERIHCTDRPFKCNYSFDTKQPSNLKHMKKFHGDMVKTEALE
 RKDTGRQSSRQVAKLDAKKSFHCDICDASFMRDSLRSRKHQSEYSESKNSDVTVLQFQIDPSKQFATP
 LTVGHLQVPLQPSQVPQFSEGRVKIIVGHQVQPANTIVQAAAAVNI VPPALVAQNPEELPGNSRLQILR
 QVSLIAPPQSSRCPSEAGAMTQPAVLLTTHEQTDGATLHQTLIPTASGGPQEGSGNQTFITSSGITCTDF
 EGLNALIQEGTAEVTVVSDGGQNI AVATTAPPVFSSSSQELPKQYTSIIQGAHPALLCPADSIDP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_022088

ORF Size: 1881 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_022088.5](#)

RefSeq Size: 3119 bp

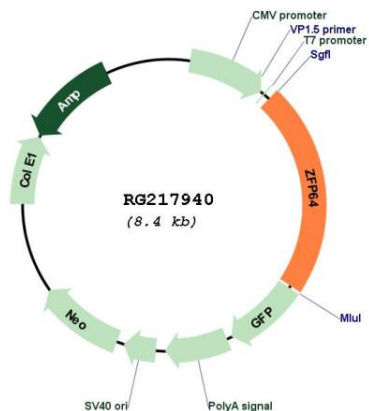
RefSeq ORF: 1884 bp

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 RG217940