

## Product datasheet for **RG214965**

### ZNF264 (NM\_003417) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF264 (NM_003417) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF264
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG214965 representing NM\_003417  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGCAGCGGTGCTGACGGACCGGCCAGGTGTCTGTGACCTTTGATGATGTGGCTGTGACTTTCA  
 CCAAGGAGGAGTGGGGCAGCTGGACCTAGCTCAGCGGACCCTGTACCAGGAGGTGATGCTGAAAACTG  
 TGGCTCCTGGTGTCTCTGGGGTCTCTGTTCCCAAAGCTGAGCTGATCTGCCACCTAGAGCATGGGCAG  
 GAGCCATGGACCAGGAAGGAAGACCTCTCCAAGACACCTGTCCAGGCGACAAAGAAAACCTAAGACCA  
 CAGAACCACCCTTGTGAGCCAGCCTTGTGAGGGAACTCACTTCAGGGACAAGTGACACAAGGAAA  
 CTCAGTGGACTCACAGTTGGGGCAAGCCGAGGATCAGGATGGGCTATCAGAAATGCAGGAAGGACACTTC  
 AGACCAGGAATAGATCCCAGGAGAAGTCTCTGGGAAGATGAGCCCTGAATGTGATGGTTTAGGGACAG  
 CTGATGGTGTGTGTTCAAGGATTGGACAGGAGCAAGTCTCTCAGGAGATACAGTCCATAGCCATAACTC  
 ATGTGAGTCAGGTAAGATCCCATGATTAGGAAGAGGAAAAAATACTTTAAATGCAGTGAATGTGAAAA  
 GTATTTAAACAAGAAACACCTCCTTGGCTGGACATGAGAAAAATCACTCTGGAGTTAAGCCCTATGAATGCA  
 CAGAATGTGGAAAAACCTTTATTAAGAGCACACATCTCCTGCAACATCACATGATCCACACTGGGGAGAG  
 GCCCTATGAGTGCATGGAGTGTGAAAGGCCTTCAACCGCAAGTCATACCTTACCCAGCACCAGCGGATT  
 CACAGTGGAGAGAAGCCTTACAAGTGAATGAATGCGGAAAGGCCTTACCCACCCTCAATTTTGTCT  
 TGCATAACAGGAGACACACTGGAGAAAAATCCTTTGTGTGCACAGAAATGTGGCCAAGTCTTTCGACATAG  
 GCCAGGCTTCTCCGGCACTATGTTGTCCACAGTGGTGAATCCCTATGAGTGCCTGGAGTGTGGCAAG  
 GTCTTCAAACACAGGTCATATCTCATGTGGCACCAGCAGACTCATACCGGGGAGAAGCCCTATGAGTGA  
 GTGAATGTGGAAAGGCTCTTGGAGAGTGCAGCCCTGATTCACCACTATGTCATCCACACTGGAGAGAA  
 GCCCTTTGAGTGCCTCGAGTGTGGGAAGGCTTTCAACCACCGATCCTACCTCAAGAGGCACCGCGGATT  
 CACACTGGGGAGAAGCCCTTCGTGTGAGTGAATGTGAAAGGCCTTACCCACTGCTCTACTTTTATCT  
 TGCATAAAAGGGCCACACTGGAGAAAAGCCTTTCGAGTGCAAAGAGTGTGGAAAGCCTTTAGCAATCG  
 GAAGGACCTCATTGCCACTTCAGCATCCACACTGGAGAGAAGCCCTATGAGTGCCTGGAGTGTGGAAAAG  
 GCCTTACCCGCATGTGGGCTCACGAGGCACAAGCGGATTCATAGTGGAGAGAAGCCCTATGAATGTG  
 TTGAGTGTGGAAATCGTTTGTGGAGCACAACCTCATTGACATGCCATTATCCACACTGGAGAGAA  
 GCCCTATAAATGAGTGAATGTGAAAGGCCTTCAGTCGAGCTCGTCCCTCACTCAGCATCAAAGGATG  
 CATACTGGAAAAATCCCATCAGTGTAAACAGATGTGGAAAGCCTTTTACAAGTGGACAAAACCTCAGTTA  
 CCCTTCGAGAACTCTTTTAGGGAAGGACTTTTGAATGTAACCACTGAGGCAAAATTTTGCCAGAGGA  
 AACATCTTCTCTGCATCTGATCAACCATACCAAAGAGAAAACCCACAAGTGTCTTCACTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG214965 representing NM\_003417  
 Red=Cloning site Green=Tags(s)

MAAAVLTDRAQVSVTFDDVAVTFKEEWQLDLAQRLLYQEVMLNCGLLVSLGCPVPAELICHLEHGQ  
 EPWTRKEDLSQDTCPGDKGPKTTEPTTCEPALSEGISLQGVQVTQNSVDSQLGQAEDQDGLSEMGEHFG  
 RPDIDPQEKSPGKMSPECDELGTADGVCSRIGQEQVSPGDTVHSHNSCESGKDPMIQEEENNFKCSECGK  
 VFNKKHLLAGHEKIHSGVKPYECTECGKTFIKSTHLLQHHMIHTGERPYECMECGKAFNRKSYLTQHQR  
 HSGEKPYKNECGKAFTHRSNFVHLNRRHTGEKSFVCTECGQVFRHRPGFLRHYVVHSGENPYECLECGK  
 VFKHRSYLMWHQQTHTGEKPYECSECGKVFLESAAIHHYVIHTGEKPFECLECGKAFNHRSYLKRHQR  
 HTGEKPFVCECGKAFTHCSTFILHKRAHTGEKPFCEKCGKAFSNRKDLIRHFSIHTGEKPYECVECGK  
 AFTRMSGLTRHKRIHSGEKPYECVECGKSFCSWSTNLIRHAIHTGEKPYKCECGKAFSRSSLTQHQR  
 HTGKNPISVTDVGRPFTSGQTSVTLRELLLGKDFLNVTTEANILPEETSSASDQPYQRETPQVSSL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_003417

**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\\_003417.2](#), [NP\\_003408.1](#)

**RefSeq Size:** 6598 bp

**RefSeq ORF:** 1884 bp

**Locus ID:** 9422

**UniProt ID:** [O43296](#)

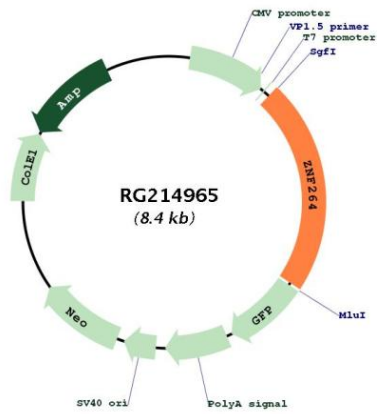
**Cytogenetics:** 19q13.43

**Domains:** KRAB, zf-C2H2

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a zinc finger protein and belongs to the krueppel C2H2-type zinc-finger protein family. Zinc finger proteins are often localized in the nucleus, bind nucleic acids, and regulate transcription. [provided by RefSeq, Jan 2010]

**Product images:**



Circular map for RG214965