

## Product datasheet for **RG201910**

### ZNF3 (NM\_032924) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF3 (NM_032924) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF3
Synonyms:	A8-51; HF.12; KOX25; PP838; Zfp113
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201910 representing NM_032924 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGCGGCTGCGCTCCTAAAGGCCAAGTCCCAGGAGCTGGTAACTTTGAGGATGTAGCTGTGTACT  
TCATCCGGAAGGAGTGGAAGCGTTTGAACCTGCTCAGAGGGACCTCTATAGAGATGTGATGCTGGAGAA  
TTACGGGAATGTGTTCTCACTGGATCGTGAGACCAGGACTGAAAATGATCAAGAAATTTCTGAAGACACA  
AGATCACATGGGGTCTACTGGGAAGATTTCAAAGGATATTTCTCAGGGTCTCAAGTTAAAGAAGCCT  
ATGAACGAGAAGTCAGTCTGAAAAGCCGCTGGGGAACCTCCCTGGAGAAAGACTGAACAGGAAAATGCC  
AGATTTTGGTCAAGTGACAGTTGAGGAGAAGCTAACCCCAAGGGAGAGAGAAGCGAGAAATATAATGAT  
TTTGGGAACAGCTTCACTGTGAATTC AACCTTATCTCACATCAGAGACTCCCGTGGGAGACAGACCCC  
ATAAGTGTGATGAATGTAGCAAGAGCTTAAATCGAACTTCAGACCTTATTC AACATCAGAGAATCCACAC  
TGGGAAAAGCCCTATGAATGTAATGAGTGTGGGAAGGCCTTCAGCCAGAGCTCACACCTTATTCAGCAT  
CAGAGAATCCACTGGGAAAACCTTATGAATGTAGTGATTGTGGGAAAACCTTCAGCTGTAGCTCTG  
CCCTATTCTGCATCGGAGGATCCACACGGGGGAGAAACCCTATGAATGTAATGAGTGTGGGAAGACCTT  
CAGCTGGAGCTCCACCCTCACCCACCATCAGAGAATCCACTGGTGAGAAAACCTACGCTGCAATGAA  
TGTGGGAAGGCCTTCAGCAGGAGCTCAACCCTTATTCACCATCAGAGAATCCACTGGAGAAAACCCCT  
ATGAATGTAATGAATGTGGGAAAAGCCTTCAGCCAGAGCTCACACCTCTATCAGCACCAGAGAATCCACAC  
TGAGAGAAGCCCTACGAATGTATGGAATGTGGAGGAAAAGTTTACCTACAGTTCAGGCCTTATTCAGCAT  
CAAAGAATCCACACCGGGGAGAACCCTATGAATGTAGTGAGTGTGGGAAAACCTTCAGGTACAGCTCGG  
CTCTTGTTCGCCATCAGAGAATTCACACTGGAGAGAAGCCTTTGAATGGGATCGGCATGAGCAAAAGCTC  
CCTCAGAGTTACGACCGAGTTAAATATCAGAGAGTCCACG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG201910 representing NM\_032924  
 Red=Cloning site Green=Tags(s)

MLAAALLKAKSQELVTFEDVAVYFIRKEWKRLEPAQRDLYRDVMLENYGNVFLSDRETRTENDQEISED  
 RSHGVLGRFQKDISQGLKFKEYEREVSLKRPLGNPGERLNRKMPDFGQVTVEEKLTPRGERSEKYND  
 FGNSFTVNSNLIHQRLPVGDRPHKCDCECSKFNRTSDLIQHQRIHTGEKPYECNECGKAFSQSSHLIQH  
 QRIHTGEKPYECSDCGKTFSCSSALILHRRRIHTGEKPYECNECGKTF SWSSTLTHHQRIHTGEKPYACNE  
 CGKAFSRSTLIHQRIHTGEKPYECNECGKAFSQSSHL YQHQRHTGEKPYECMECGGKFTYSSGLIQH  
 QRIHTGENPYECSECGKAFRYSSALVRHQRIHTGEKPLNGIGMSKSSLRVTTELNIREST

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_032924

**ORF Size:** 1338 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\\_032924.2](#), [NP\\_116313.2](#)

**RefSeq Size:** 2837 bp

**RefSeq ORF:** 1341 bp

**Locus ID:** 7551

**UniProt ID:** [P17036](#)

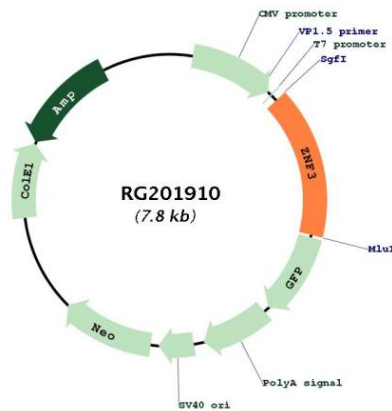
**Cytogenetics:** 7q22.1

**Domains:** KRAB, zf-C2H2

**Protein Families:** Transcription Factors

**Gene Summary:** Involved in cell differentiation and/or proliferation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG201910