

## Product datasheet for **RG218634**

### ZNF596 (NM\_001042416) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF596 (NM_001042416) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF596
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG218634 representing NM\_001042416  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCATCACCGATTCCATGACCTTCGAGGATATCATTGTAGACTTCACTCAAGAAGAGTGGGCCCTGC  
 TGGACACATCCCAGAGAAAGCTGTTTCAAGATGTGATGTTGGAGAACATCAGTCATCTGGTCTCTATTGG  
 CAAACAGCTCTGCAAATCAGTTGTGCTTTCCCAATTGGAGCAAGTAGAGAACTTCAACACAAAGAATA  
 AGCTTACTGCAAGGTAGAGAAGTTGGCATTAAACATCAAGAGATACCATTCAACATATCTATCAGA  
 AGGGCAGCTCCACCATCAGCACAATGAGATCTCATACTCAAGAGGATCCTTTTCTATGCAATGACTTAGG  
 AGAAGATTTCACTCAACATATAGCATTGACTCAAAATGTGATTACCTACATGAGAACGAAACACTTTGTA  
 AGCAAAAAGTTTGGGAAATCTCAGTGACTGGTTATCCTTTAATCAACACAAGGAAATTCACACCAAT  
 GTAATCATATGGAAGTCATCTATTTGATTATGCCTTTATCCAAACTCTGCCCTTAGACCACACAGTGT  
 GACTCACACTAGAGAGATAACATTGGAATGTCGTGTGTGGGAAAACCTTTAGCAAAAATCTAATCTT  
 AGGCGACATGAGATGATTCACACTGGAGAGAAACCACACGGATGTCATCTATGTGGGAAAGCCTTTACTC  
 ATTGCTCTGATCTTCGAAAACATGAGAGAACTCACTGGAGAGAAGCCATATGGATGTCATCTATGTGG  
 GAAAGCCTTCAGTAAAAGTTCTAACCTTAGACGACATGAGATGATTCACACTAGAGAAAAAGCACAGATA  
 TGCCATCTATGTGGGAAAGCCTTCACTCATTGCTCTGACCTTAGAAAACATGAGAGAACTCACTTAGGAG  
 AATAACCATATGGATGTCCTCTATGTGGGAAAGCCTTTAGTAAATGTTCTTACCTTAGACAAACATGAAAG  
 AACTCACAAATGGAGAGAAACCATATGAATGTCATCTATGTGGAAAAGCCTTCTCTATTGTTCTCACCT  
 AGACAACATGAGCGAAGTCACAATGGAGAGAAACCACATGGATGTCATCTATGTGGGAAAGCATTCACTG  
 AATCTTCTGTGCTTAAACGACATGAGAGAATTCACACTGGAGAGAAACCATATGAGTGCCATGATGTGG  
 GAAAGCCTTCACTGAATCTTCTGACCTCAGACGACATGAGAGAACTCACACTGGAGAAAAACCATATGAA  
 TGCCATCTATGCGGAAAAGCCTTCAATCACTCTTCTGTCCTTAGACGACATGAGAGAACTCACACTGGAG  
 AGAAACCATATGAATGCAATATATGTGGTAAAGCCTTCAATAGAAGTTACAACCTTAGACTTCATAGAAG  
 AGTTCACACTGGAGAGAAACCATATGTATGTCCTCTATGTGGGAAAGCCTTAGTAAATTTTTAACCTT  
 AGACAACATGAGAGAACTCACACTAAAAAGCAATGAATATG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG218634 representing NM\_001042416  
 Red=Cloning site Green=Tags(s)

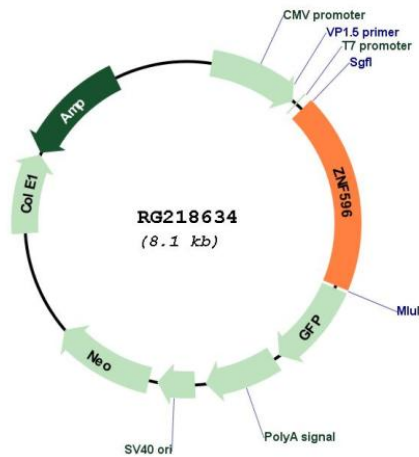
MPSPDSMTFEDIIVDFTEEWALLDTSQRKLFQDVMLENISHLVSIGKQLCKSVVLSQLEQVEKLSQRI  
 SLLQGREVGIKHQEIPIFIQHIYQKGTSTISTMRSHTQEDPFLCNDLGEDFTQHIALTQNVITYMRTKHV  
 SKKFGKIFSDWLSFNQHKIHTKCKSYGSHLFDYAFIQNSALRPHSVHTREITLECRVCGKTFKNSNL  
 RRHEMIHTGEKPHGCHLCGKAFTHCSDLRKHERTHTGEKPYGCHLCGKAFSKSSNLRRHEMIHTREKAQI  
 CHLCGKAFTHCSDLRKHERTHLGDKPYGCLLCGKAFSKCSYLRQHERTHNGEKPYECHLCGKAFSHCSHL  
 RQHERSHNGEKPHGCHLCGKAFTESSVLKRHERIHTGEKPYECHVCGKAFTESSDLRRHERHTHTGEKPYE  
 CHLCGKAFNHSSVLRHERHTHTGEKPYECNICGKAFNRSYNFRLHRRVHTGEKPYVPCGKAFSKFFNL  
 RQHERHTKKAMNM

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


- ACCN:** NM\_001042416
- ORF Size:** 1512 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\\_001042416.3](#)

**RefSeq Size:** 2890 bp

**RefSeq ORF:** 1515 bp

**Locus ID:** 169270

**UniProt ID:** [Q8TC21](#)

**Cytogenetics:** 8p23.3

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]