

Product datasheet for **RG206142**

ZNF596 (NM_173539) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF596 (NM_173539) 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:

>RG206142 representing NM_173539
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATCACCGATTCCATGACCTTCGAGGATATCATTGTAGACTTCACTCAAGAAGAGTGGGCCCTGC
 TGGACACATCCCAGAGAAAGCTGTTTCAAGATGTGATGTTGGAGAACATCAGTCATCTGGTCTCTATTGG
 CAAACAGCTCTGCAAATCAGTTGTGCTTTCCCAATTGGAGCAAGTAGAGAACTTCAACACAAAGAATA
 AGCTTACTGCAAGGTAGAGAAGTTGGCATTAAACATCAAGAGATACCATTATTATCATATCTATCAGA
 AGGGCAGCTCCACCATCAGCACAATGAGATCTCACTCAAGAGGATCCTTTTCTATGCAATGACTTAGG
 AGAAGATTTCACTCAACATATAGCATTGACTCAAAATGTGATTACCTACATGAGAACGAAACACTTTGTA
 AGCAAAAAGTTTGGGAAATCTCAGTGACTGGTTATCCTTTAATCAACACAAGGAAATTCACACCAAT
 GTAATCATATGGAAGTCATCTATTTGATTATGCCTTTATCCAAAACCTGCCCCTTAGACCACACAGTGT
 GACTCACACTAGAGAGATAACATTGGAATGTCGTGTGTGGGAAAACCTTTAGCAAAAATCTAATCTT
 AGGCGACATGAGATGATTCACACTGGAGAGAAACCACACGGATGTCATCTATGTGGGAAAGCCTTTACTC
 ATTGCTCTGATCTTCGAAAACATGAGAGAACTCACTGGAGAGAAGCCATATGGATGTCATCTATGTGG
 GAAAGCCTTCAGTAAAAGTTCTAACCTTAGACGACATGAGATGATTCACACTAGAGAAAAAGCACAGATA
 TGCCATCTATGTGGGAAAGCCTTCACTCATTGCTGACCTTAGAAAACATGAGAGAACTCACTTAGGAG
 AATAACCATATGGATGTCCTCTATGTGGGAAAGCCTTTCAGTAAATGTTCTTACCTTAGACAAACATGAAA
 AACTCACAAATGGAGAGAAACCATATGAATGTCATCTATGTGGGAAAGCCTTCTCTATTGTTCTCACCT
 AGACAACATGAGCGAAGTCACAATGGAGAGAAACCACATGGATGTCATCTATGTGGGAAAGCATTCACTG
 AATCTTCTGTGCTTAAACGACATGAGAGAATTCACACTGGAGAGAAACCATATGAGTGCCATGATGTGG
 GAAAGCCTTCACTGAATCTTCTGACCTCAGACGACATGAGAGAACTCACACTGGAGAAAAACCATATGAA
 TGCCATCTATGCGGAAAAGCCTTCAATCACTCTTCTGTCCTTAGACGACATGAGAGAACTCACACTGGAG
 AGAAACCATATGAATGCAATATATGTGGTAAAGCCTTCAATAGAAGTTACAACCTTAGACTTCATAGAAG
 AGTTCACACTGGAGAGAAACCATATGTATGTCCTCTATGTGGGAAAGCCTTAGTAAATTTTTAACCTT
 AGACAACATGAGAGAACTCACACTAAAAAGCAATGAATATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206142 representing NM_173539
 Red=Cloning site Green=Tags(s)

MPSPDSMTFEDIIVDFTEEWALLDTSQRKLFQDVMLENISHLVSIGKQLCKSVVLSQLEQVEKLSTQRI
 SLLQGREVGIKHQEIPFIHHIYQKGTSTISTMRSHTQEDPFLCNDLGEDFTQHIALTQNVITYMRTKHFV
 SKKFGKIFSDWLSFNQKHEIHTKCKSYGSHLFDYAFIQNSALRPHSVHTREITLECRVCGKTF SKNSNL
 RRHEMIHTGEKPHGCHLCGKAFTHCSDLRKHERTHTGEKPYGCHLCGKAFSKSSNLRRHEMIHTREKAQI
 CHLCGKAFTHCSDLRKHERTHLGDKPYGCLLCGKAFSKCSYLRQHERTHNGEKPYECHLCGKAFSHCSHL
 RQHERSHNGEKPHGCHLCGKAFTESSVLKRHERIHTGEKPYECHVCGKAFTESSDLRRHERHTHTGEKPYE
 CHLCGKAFNHSSVLRHERHTHTGEKPYECNICGKAFNRSYNFRLHRRVHTGEKPYVCPKCGKAFSKFFNL
 RQHERHTKKAMNM

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_173539

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_173539.2](#), [NP_775810.2](#)

RefSeq Size: 2795 bp

RefSeq ORF: 1515 bp

Locus ID: 169270

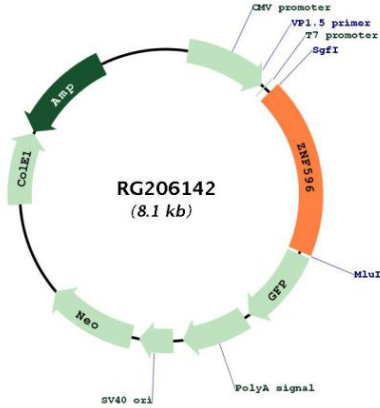
UniProt ID: [Q8TC21](#)

Cytogenetics: 8p23.3

Protein Families: Druggable Genome, Transcription Factors

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

Product images:



Circular map for RG206142