

## Product datasheet for **RC238603**

### ZNF596 (NM\_001287256) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF596 (NM_001287256) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF596
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC238603 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCATCACCGATTCCATGACCTTCGAGGATATCATTGTAGACTTCACTCAAGAAGAGTGGGCCCTGC  
 TGGACACATCCCAGAGAAAGCTGTTTCAAGATGTGATGTTGGAGAACATCAGTCATCTGGTCTCTATTGG  
 CAAACAGCTCTGCAAAATCAGTTGTGCTTTCCCAATTGGAGCAAGTAGAGAACTTCAACACAAAGAATA  
 AGCTTACTGCAAGGTAGAGAAGTTGGCATTAAACATCAAGAGATACCATTATTATCATATCTATCAGA  
 AGGGCAGCTCCACCATCAGCACAATGAGATCTCATACTCAAGAGGATCCTTTTCTATGCAATGACTTAGG  
 AGAAGATTTCACTCAACATATAGCATTGACTCAAAATGTGATTACCTACATGAGAACGAAACACTTTGTA  
 AGCAAAAAGTTTGGGAAATCTCAGTGACTGGTTATCCTTTAATCAACACAAGGAAATTCACACCAAT  
 GTAATCATATGGAAGTCATCTATTTGATTATGCCTTTATCCAAAACCTGCCCCTAGACCACACAGTGT  
 GACTCACACTAGAGAGATAACATTGGAATGTCGTGTGTGGGAAAACCTTTAGCAAAAATCTAATCTT  
 AGGCGACATGAGATGATTCACACTGGAGAGAAACCACACGGATGTCATCTATGTGGGAAAGCCTTTACTC  
 ATTGCTCTGATCTTCGAAAACATGAGAGAACTCACACTGGAGAGAAGCCATATGGATGTCATCTATGTGG  
 GAAAGCCTTCAGTAAAAGTTCTAACCTTAGACGACATGAGATGATTCACACTAGAGAAAAAGCACAGATA  
 TGCCATCTATGTGGGAAAGCCTTCACTCATTGCTCTGACCTTAGAAAACATGAGAGAACTCACTTAGGAG  
 AATAACCATATGGATGTCCTATGTGGGAAGGCTTTTCAGTAAATGTTCTTACCTTAGACAAACATGAAAG  
 AACTCACAAATGGAGAGAAACCATATGAATGTCTATGTGGAAAAGCCTTCTCTATTGTTCTCACCTT  
 AGACAACATGAGCGAAGTCACAATGGAGAGAAACCACATGGATGTCATCTATGTGGGAAAGCATTCACTG  
 AATCTTCTGTGCTTAAACGACATGAGAAATTCACACTGGAGAGAAACCATATGAGTCCATGATGTGG  
 GAAAGCCTTCACTGAATCTTCTGACCTCAGACGACATGAGAGAACTCACACTGGAGAAAAACCATATGAA  
 TGCCATCTATGCGGAAAAGCCTTCAATCACTCTTCTGTCCTTAGACGACATGAGAGAACTCACACTGGAG  
 AGAAACCATATGAATGCAATATATGTGGTAAAGCCTTCAATAGAAGTTACAACCTTAGACTTCATAGAAG  
 AGTTCACACTGGAGAGAAACCATATGTATGTCCTCTATGTGGGAAAGCCTTAGTAAATTTTTAACCTT  
 AGACAACATGAGAGAACTCACACTAAAAAGCAATGAATATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238603 protein sequence  
 Red=Cloning site Green=Tags(s)

MPSPDSMTFEDIIVDFTQEEWALLDTSQRKLFQDVMLENISHLVSIGKQLCKSVVLSQLEQVEKLSQRI  
 SLLQGREVGIKHQEIPFIHIIYQKGTSTISTMRSHTQEDPFLCNDLGEDFTQHIALTQNVITYMRTKHFV  
 SKKFGKIFSDWLSFNQHKIEHTKCKSYGSHLFDYAFIQNSALRPHSVHTREITLECRVCGKTFSKNSNL  
 RRHEMIHTGEKPHGCHLCGKAFTHCSDLRKHERHTHTGEKPYGCHLCGKAFSKSSNLRRHEMIHTREKAQI  
 CHLCGKAFTHCSDLRKHERHTLGDKPYGCLLCGKAFSKCSYLRQHERTHNGEKPYEHLCHGKAFSHCSHL  
 RQHERSHNGEKPHGCHLCGKAFTESSVLKRHERIHTGEKPYECHVCGKAFTESSDLRRHERHTHTGEKPYE  
 CHLCGKAFNHSSVLRHERHTHTGEKPYECNICGKAFNRSYNFRLHRRVHTGEKPYVCPKAFKSKFFNL  
 RQHERHTKKAMNM

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6196\\_d01.zip](https://cdn.origene.com/chromatograms/mk6196_d01.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001287256

**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\\_001287256.1](#), [NP\\_001274185.1](#)

**RefSeq Size:** 2692 bp

**RefSeq ORF:** 1515 bp

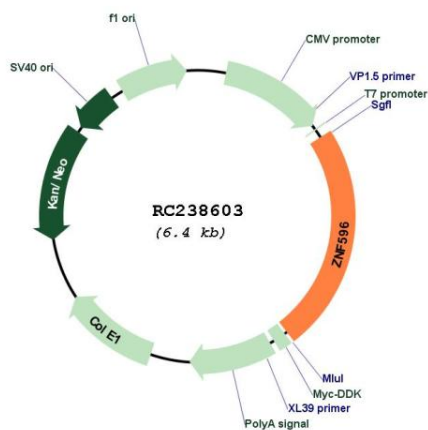
**Locus ID:** 169270

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

**Cytogenetics:** 8p23.3

**Protein Families:** Druggable Genome, Transcription Factors  
**MW:** 58.5 kDa  
**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC238603