

Product datasheet for **RC218634**

ZNF596 (NM_001042416) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF596 (NM_001042416) 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:

>RC218634 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATCACCGATTCCATGACCTTCGAGGATATCATTGTAGACTTCACTCAAGAAGAGTGGGCCCTGC
 TGGACACATCCCAGAGAAAGCTGTTTCAAGATGTGATGTTGGAGAACATCAGTCATCTGGTCTCTATTGG
 CAAACAGCTCTGCAAATCAGTTGTGCTTTCCCAATTGGAGCAAGTAGAGAACTTCAACACAAAGAATA
 AGCTTACTGCAAGGTAGAGAAGTTGGCATTAAACATCAAGAGATACCATTATTATCATATCTATCAGA
 AGGGCAGCTCCACCATCAGCACAATGAGATCTCACTCAAGAGGATCCTTTTCTATGCAATGACTTAGG
 AGAAGATTTCACTCAACATATAGCATTGACTCAAAATGTGATTACCTACATGAGAACGAAACACTTTGTA
 AGCAAAAAGTTTGGGAAATCTCAGTGACTGGTTATCCTTTAATCAACACAAGGAAATTCACACCAAT
 GTAATCATATGGAAGTCATCTATTTGATTATGCCTTTATCCAAAACCTGCCCCTAGACCACACAGTGT
 GACTCACACTAGAGAGATAACATTGGAATGTCGTGTGTGGGAAAACCTTTAGCAAAAATCTAATCTT
 AGGCGACATGAGATGATTACACTGGAGAGAAACCACACGGATGTCATCTATGTGGGAAAGCCTTTACTC
 ATTGCTCTGATCTTCGAAAACATGAGAGAACTCACTGGAGAGAAGCCATATGGATGTCATCTATGTGG
 GAAAGCCTTCAGTAAAAGTTCTAACCTTAGACGACATGAGATGATTCACACTAGAGAAAAAGCACAGATA
 TGCCATCTATGTGGGAAAGCCTTCACTCATTGCTGACCTTAGAAAACATGAGAGAACTCACTTAGGAG
 AATAACCATATGGATGTCTCCTATGTGGGAAGGCTTTAGTAAATGTTCTTACCTTAGACAAACATGAAAG
 AACTCACAAATGGAGAGAAACCATATGAATGTCTATGTGGAAAAGCCTTCTCTATTGTTCTCACCTT
 AGACAACATGAGCGAAGTCACAATGGAGAGAAACCACATGGATGTCATCTATGTGGGAAAGCATTCACTG
 AATCTTCTGTGCTTAAACGACATGAGAAATTCACACTGGAGAGAAACCATATGAGTCCATGATGTGG
 GAAAGCCTTCACTGAATCTTCTGACCTCAGACGACATGAGAGAACTCACACTGGAGAAAAACCATATGAA
 TGCCATCTATGCGGAAAAGCCTTCAATCACTCTTCTGTCCTTAGACGACATGAGAGAACTCACACTGGAG
 AGAAACCATATGAATGCAATATATGTGGTAAAGCCTTCAATAGAAGTTACAACCTTAGACTTCATAGAAG
 AGTTCACACTGGAGAGAAACCATATGTATGTCCTCTATGTGGGAAAGCCTTAGTAAATTTTTAACCTT
 AGACAACATGAGAGAACTCACACTAAAAAGCAATGAATATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218634 protein sequence
 Red=Cloning site Green=Tags(s)

MPSPDSMTFEDIIVDFTQEEWALLDTSQRKLFQDVMLENISHLVSIGKQLCKSVVLSQLEQVEKLSTQRI
 SLLQGREVGIKHQEIPFIHIIYQKGTSTISTMRSHTQEDPFLCNDLGEDFTQHIALTQNVITYMRTKHFV
 SKKFGKIFSDWLSFNQHKIEHTKCKSYGSHLFDYAFIQNSALRPHSVHTREITLECRVCGKTFSKNSNL
 RRHEMIHTGEKPHGCHLCGKAFTHCSDLRKHERHTHTGEKPYGCHLCGKAFSKSSNLRRHEMIHTREKAQI
 CHLCGKAFTHCSDLRKHERHTLGDKPYGCLLCGKAFSKCSYLRQHERTHNGEKPYEHLCHGKAFSHCSHL
 RQHERSHNGEKPHGCHLCGKAFTESSVLKRHERIHTGEKPYECHVCGKAFTESSDLRRHERHTHTGEKPYE
 CHLCGKAFNHSSVLRHERHTHTGEKPYECNICGKAFNRSYNFRLHRRVHTGEKPYVPCGKAFSKFFNL
 RQHERHTKKAMNM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6196_d01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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: 2863 bp

RefSeq ORF: 1515 bp

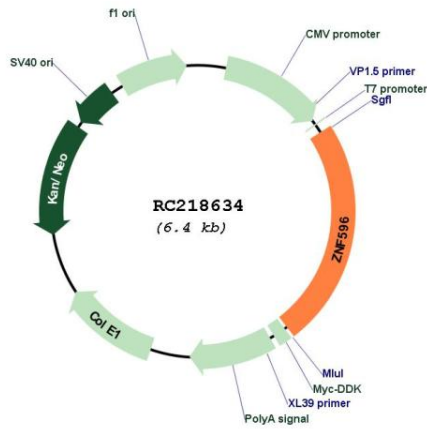
Locus ID: 169270

UniProt ID: [Q8TC21](#)

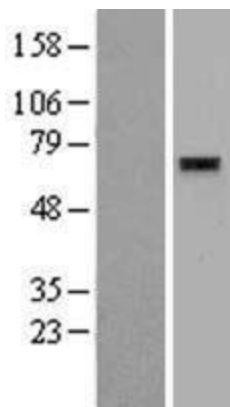
Cytogenetics: 8p23.3

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 RC218634



Western blot validation of overexpression lysate (Cat# [LY420889]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC222366] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).