

Product datasheet for **RC202496**

ZNF43 (NM_003423) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF43 (NM_003423) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF43
Synonyms:	HTF6; KOX27; ZNF39L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC202496 representing NM_003423
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGACCATTGACATTTATGGATGTGGCCATAGAATTCTGTCTGGAGGAGTGGCAATGCCTGGACATTG
 CACAGCAGAATTTATATAGGAATGTGATGTTAGAGAACTACAGAAACCTGGTCTTCTGGGTATTGCTGT
 CTCTAAGCCAGACCTGATCACCTGTCTGGAGCAAGAAAAAGGCCTTGGGAGCCTATGAGGAGACATGAA
 ATGGTAGCCAAACCCAGTTATGTGTTCTATTTACCCAAGACTTTTGGCCAGAGCAGCATATAAAAG
 ATCCTTTCCAAAAGCGACACTGAGAAGATATAAAAAGTGAACATAAAAAATGTACATTTAAAAAAGA
 CCATAAAAGTGTGGATGAGTGAAGGTGCACAGAGGAGTTATAATGGATTTAACCAATGTTTGCCAGCT
 ACCCAGAGCAAAATATTTCTATTTGATAAATGTGTGAAAGCCTTTCATAAATTTCAAATCAAACAGAC
 ATAAGATAAGCCATACTGAAAAAAACTTTTCAAATGCAAAGAATGTGGCAAATCATTTTGCATGCTTCC
 ACATCTAGCTCAACATAAAATAATTCATACCAGAGTGAATTTCTGCAAATGTGAAAAATGTGAAAAAGCT
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 ATAAGAAAATTCATCCTGGAGAGAAACCTTACAAATGTGAAGAATGTGGCAAAGCCTTTAACTGGCCCTC
 AACTCTTACTAAACATAAGAGAATTCATACTGGAGAGAAACCTACACATGTGAAGAATGTGGCAAAGCC
 TTTAAACAGTTCTCAAACCTTACTACACATAAGAGAATCCATACTGCAGAGAAATTCATAAATGTACAG
 AATGTGGTGAAGCTTTTAGCCGGTCTCAAACCTTACTAAACATAAGAAAATTCATACTGAAAAAGAACCC
 CTACAAATGTGAAGAATGTGGCAAAGCTTTTAAAGTGGTCTCAAAGCTTACTGAACATAAGTTAACTCAT
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 AAACCTTACTACACATAAGAGAATTCATACTGCAGAAAAACCGTACAAATGTGAAGAATGTGGCAAAGCT
 TTTAGCCGGTCTCAAACCTTACTAAACATAAGAAAATTCACATTGAAAAGAAACCTACAAATGTGAAG
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 CTACAAATGTGAAGAATGTGGCAAAGCTTTTAAACATTTCTCAATCCTTACCAAACATAAGAGGATTCAT
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 ATAAGAAAATTCATACTGGAGAGCAACCTACAAATGTGAAGAATGTGGCAAAGCATTAACTATTCCCTC
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 ATGTGACAGTGATTTTGACAACCTCAAACCTTTTCAAACATAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202496 representing NM_003423
Red=Cloning site Green=Tags(s)

MGPLTFMDVAIEFCLLEWQCLDIAQQNL YRNVMLENYRNLVFLGIAVSKPDLITCLEQEKEPWPMRRHE
MVAKPPVMCSHFTQDFWPEQHIKDPFQKATLRRYKNCEHKNVHLKGDHKSVDCEKVHRRGGYNGFNQCLPA
TQSKI FLFDKCVKAFHKFSNSNRHKISHTEKLFKCKEKGKSFCLPHLAQHKKI IHTRVNFCKCEKCGKA
FNCPSIITKHKRI NTGKPYTCEEKGKVFNWSSRLTTHKKNYTRYKLYKCEEKGKAFNKSSILTTHKII R
TGEKFKYCKEAKAFNQSSNLTEHKKIHPGKPYKCEEKGKAFNWPSTLT KHKRIHTGKPYTCEEKGK
FNQFSNLTTHKRIHTAEKFKCTECGEAFSRSSNLTKHKKIHTKPKYKCEEKGKAFKWSKLT EHKLTH
TGEKPYKCEEKGKAFNWPSTLT KHNRIHTGKPYKCEVCGKAFNQFSNLTTHKRIHTAEKPYKCEEKGK
FSRSSNLTKHKKIHI EKPKYKCEEKGKAFKWSKLT EHKIHTGKPYKCEEKGKAFNHFSILT KHKRIH
TGEKPYKCEEKGKAFNQSSNLTTHKKIHTGKFKYKCEEKGKAFNQSSNLTTHKKIHTGGKPYKCEEKGK
FNQFSTLT KHKIHTEEKPYKCEEKGKAFKWSSTLT KHKIHTGKPYKCEEKGKAFKLSSTLSTHKI IH
TGEKPYKCEKCGKAFNRSSNLIEHKKIHTGEQPYKCEEKGKAFNYSSHLNTHKRIHTKEQPYKCEKCGKA
FNQYSNLTTHNKIHTGKLYKPEDVTVIL TTPQTF SNIK

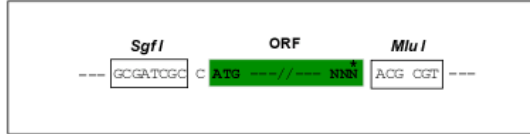
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_003423
ORF Size: 2427 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_003423.4](#)

RefSeq Size: 5258 bp

RefSeq ORF: 2430 bp

Locus ID: 7594

UniProt ID: [P17038](#)

Cytogenetics: 19p12

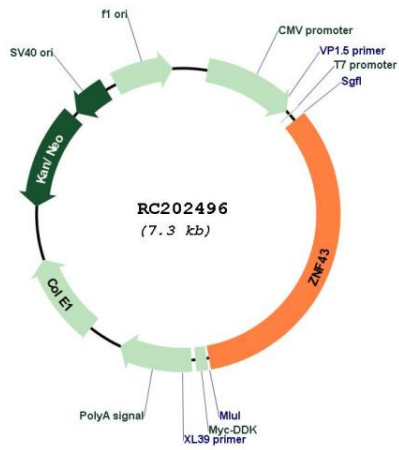
Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

MW: 94.1 kDa

Gene Summary: This gene belongs to the C2H2-type zinc finger gene family. The zinc finger proteins are involved in gene regulation and development, and are quite conserved throughout evolution. Like this gene product, a third of the zinc finger proteins containing C2H2 fingers also contain the KRAB domain, which has been found to be involved in protein-protein interactions. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC202496