

Product datasheet for **RC239625**

ZNF43 (NM_001256653) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF43 (NM_001256653) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF43
Synonyms:	HTF6; KOX27; ZNF39L1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC239625 representing NM_001256653
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCGACATCCTGGAAGCTGGGAAATGGGACCATTGACATTTATGGATGTGGCCATAGAATTCTGTC
TGGAGGAGTGGCAATGCCTGGACATTGCACAGCAGAATTTATATAGGAATGTGATGTTAGAGAACTACAG
AAACCTGGTCTTCTGGGTATTGCTGTCTCTAAGCCAGACCTGATCACCTGTCTGGAGCAAGAAAAAGAG
CCTTGGGAGCCTATGAGGAGACATGAAATGGTAGCCAAACCCCAAGTTATGTGTTCTCATTTTACCCAAG
ACTTTTGGCCAGAGCAGCATATAAAAGATCCTTTCCAAAAGCGACACTGAGAAGATATAAAAAGTGA
ACATAAAAATGTACATTTAAAAAAGACCATAAAAGTGTGGATGAGTGAAGGTGCACAGAGGAGTTAT
AATGGATTTAACCAATGTTTCCAGCTACCCAGAGCAAAATATTTCTATTTGATAAATGTGTGAAAGCCT
TTCATAAATTTCAAATTCAAACAGACATAAGATAAGCCATACTGAAAAAAACTTTTCAAATGCAAGA
ATGTGGCAAATCATTTTGCATGCTTCCACATCTAGCTCAACATAAAATAATTCATACCAGAGTGAATTC
TGCAAATGTGAAAAATGTGGAAAAGCTTTTAACTGCCCTCAATCATCACTAAACATAAGAGAATTAATA
CTGGAGAGAAAACCTACACATGTGAAGAATGTGGCAAAGTCTTTAATTGGTCTCACGCCTTACTACACA
TAAAAAAATTTACTAGATACAACTCTACAAATGTGAAGAATGTGGCAAAGCTTTTAAACAAGTCTCA
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TTAACCAATCCTCAAACCTTACTGAACATAAGAAAATTCATCCTGGAGAGAAAACCTTACAAATGTGAAGA
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TACACATGTGAAGAATGTGGCAAAGCCTTTAACCAGTTCTCAAACCTTACTACACATAAGAGAATCCATA
CTGCAGAGAAAATTCATAAATGTACAGAATGTGGTGAAGCTTTTAGCCGGTCTCAAACCTTACTAAACA
TAAGAAAATTCATCTGAAAAGAAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTAAAGTGGTCTCA
AAGCTTACTGAACATAAGTTAACTCATACTGGAGAGAAAACCTACAAATGTGAAGAATGTGGCAAAGCCT
TTAACTGGCCCTCAACCTTACTAAACATAACAGAATTCATACTGGAGAGAAAACCTACAAATGTGAAGT
ATGTGGCAAAGCCTTTAACCAGTTCTCAAACCTTACTACACATAAGAGAATTCATACTGCAGAAAAACCG
TACAAATGTGAAGAATGTGGCAAAGCTTTTAGCCGGTCTCAAACCTTACTAAACATAAGAAAATTCACA
TTGAAAAGAAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTAAAGTGGTCTCAAAGCTTACTGAACA
TAAGATAACTCATACTGGAGAGAAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTAAACCATTCTCA
ATCCTTACCAACATAAGAGGATTCATACTGGAGAGAAAACCTACAAGTGTGAAGAATGTGGCAAAGCCT
TTACCCAATCCTCAAACCTTACTACACATAAGAAAATTCATACTGGAGAGAAAATTCACAAATGTGAAGA
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TAAGATAATTCATACTGGAGAGAAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTAAACTGCCTCA
ACCCTTCTACACATAAGATTATTCATACTGGAGAGAAAACCTACAAATGTGAAAAATGTGGCAAAGCTT
TTAACCAGTCTCAAACCTTATTGAACATAAGAAAATTCATACTGGAGAGCAACCTACAAATGTGAAGA
ATGTGGCAAAGCATTTAACTATTCCTCACACCTTAATACACATAAGAGAATTCATACTAAAGAGCAACCC
TACAAATGTAAAGAATGTGGCAAAGCTTTCAACCAATATTCAAACCTTACTACACATAACAAAATTCATA
CTGGAGAGAAAACCTACAAACCTGAAGATGTGACAGTGATTTTGACAACCTCAAACCTTTTCAAACAT
AAAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239625 representing NM_001256653
Red=Cloning site Green=Tags(s)

MPGHPGSWEMGLTFMDVAIEFCLEEWQCLDIAQQNLYRNVMLNRYRNLVFLGIAVSKPDLITCLEQEKE
PWEPMRRHEMVAKPPVMCSHFTQDFWPEQHIKDPFQKATLRRYKNCEHKNVHLKDKHSVDECKVHRGGY
NGFNQCLPATQSKIFLFDKCVKAFHKFSNSNRHKISHTEKCLKCKEKGKSFCLMPLHAQHKKIHTRVNF
CKCEKCGKAFNCPSTIITKHKRINTGEKPYTCEECGVFNWSSRLTTHKKNYTRYKLYKCEECGKAFNKSS
ILTTHKIIRTGEKFKCECAKAFNQSSNLTEHKKIHPGEKPYKCEECGKAFNWPSTLTTHKRIHTGEK
YTCEECGKAFNQFNSLTTHKRIHTAEKFKTECGEAFSRSSNLTKHKKIHTTEKPYKCEECGKAFKWS
KLTEHKLTHTEKPYKCEECGKAFNWPSTLTKHNRHTGEKPYKCEVCGKAFNQFNSLTTHKRIHTAEK
YKCEECGKAFSRSSNLTKHKKIHTIEKPYKCEECGKAFKWSKLTEHKIHTGEKPYKCEECGKAFNHFS
ILTKHKRIHTGEKPYKCEECGKAFQSSNLTTHKKIHTGEKFKCEECGKAFQSSNLTTHKKIHTGGK
YKCEECGKAFNQFSTLTTHKKIHTTEKPYKCEECGKAFKWSSTLTTHKKIHTGEKPYKCEECGKAFKLS
TLSTHKIHTGEKPYKCEKCGKAFNRSSNLIEHKKIHTGEQPYKCEECGKAFNYSSHLNTHKRIHTKEQP
YKCKEKGKAFNQFNSLTTHNKIHTGEKLYKPEDVTVILTTPQTFSTNIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

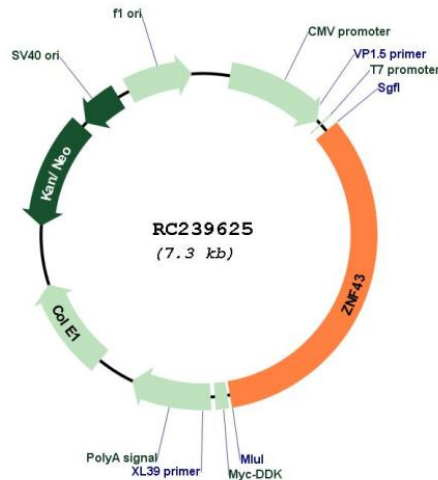
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001256653

ORF Size: 2454 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_001256653.1](#), [NP_001243582.1](#)

RefSeq Size: 5249 bp

RefSeq ORF: 2457 bp

Locus ID: 7594

Cytogenetics: 19p12

Protein Families: Transcription Factors

MW: 95.6 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]