

Product datasheet for **RC239458**

ZNF43 (NM_001256654) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF43 (NM_001256654) 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:

>RC239458 representing NM_001256654
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGGAGACATGAAATGGTAGCCAAACCCAGTTATGTGTTCTCATTTTACCCAAGACTTTTGGCCAG
AGCAGCATATAAAAGATCCTTTCCAAAAAGCGACTGAGAAGATATAAAACTGTGAACATAAAAATGT
ACATTTAAAAAAGACCATAAAAGTGTGGATGAGTGAAGGTGCACAGAGGAGTTATAATGGATTTAAC
CAATGTTTGCCAGCTACCCAGAGCAAAATTTCTATTTGATAAATGTGTGAAAGCCTTTTCATAATTTT
CAAATTCAAACAGACATAAGATAAGCCATACTGAAAAAAACTTTTCAAATGCAAAGAATGTGGCAAATC
ATTTTGCATGCTCCACATCTAGCTCAACATAAAATAATTCATACCAGAGTGAATTTCTGCAAATGTGAA
AAATGTGGAAAAGCTTTAACTGCCCTTCAATCATCACTAAACATAAGAGAATTAATACTGGAGAGAAAC
CCTACACATGTGAAGAATGTGGCAAAGCTTTAATTGGTCCTCACGCCTTACTACACATAAAAAAATTA
TACTAGATACAACTCTACAAATGTGAAGAATGTGGCAAAGCTTTAACAAGCTCCTCAATCCTTACTACC
CATAAGATAATTCGCACTGGAGAGAAAATTCACAAATGTAAGAATGTGCCAAAGCTTTTAAACCAATCCT
CAAACCTTACTGAACATAAGAAAATTCATCCTGGAGAGAAAACCTTACAAATGTGAAGAATGTGGCAAAGC
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GAATGTGGCAAAGCCTTTAAACGTTCTCAAACCTTACTACACATAAGAGAATCCATACTGCAGAGAAAAT
TCTATAAATGTACAGAATGTGGTGAAGCTTTTAGCCGGTCCTCAAACCTTACTAAACATAAGAAAATTC
TACTGAAAAGAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTAAGTGGTCCTCAAAGCTTACTGAA
CATAAGTTAACTCATACTGGAGAGAAAACCTACAAATGTGAAGAATGTGGCAAAGCCTTTAACTGGCCCT
CAACCTTACTAAACATAACAGAATTCATACTGGAGAGAAAACCTACAAATGTGAAGAATGTGGCAAAGC
CTTTAACCAGTTCTCAAACCTTACTACACATAAGAGAATTCATACTGCAGAAAAACCGTACAAATGTGAA
GAATGTGGCAAAGCTTTTAGCCGGTCCTCAAACCTTACTAAACATAAGAAAATTCACATTGAAAAGAAAC
CCTACAAATGTGAAGAATGTGGCAAAGCTTTAAGTGGTCCTCAAAGCTTACTGAACATAAGATAACTCA
TACTGGAGAGAAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTAACCATTTCTCAATCCTTACAAA
CATAAGAGGATTCATACTGGAGAGAAAACCTACAAAGTGAAGAATGTGGCAAAGCTTTTACCAATCCT
CAAACCTTACTACACATAAGAAAATTCATACTGGAGAGAAAATTCACAAATGTGAAGAATGTGGCAAAGC
TTTTACCAATCTTCAAACCTTACTACACATAAAAAAATTCATACTGGAGAGAAAACCTACAAATGTGAA
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CATAAGATTATTCATACTGGAGAGAAAACCTACAAATGTGAAAAATGTGGCAAAGCTTTTAAACCGATCCT
CAAACCTTATTGAACATAAGAAAATTCATACTGGAGAGCAACCTACAAATGTGAAGAATGTGGCAAAGC
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GAATGTGGCAAAGCTTTCAACCAATATTCAAACCTTACTACACATAACAAAATTCATACTGGAGAGAAAC
TCTACAAACCTGAAGATGTGACAGTGATTTTGACAACACCTCAAACCTTTTCAAACATAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239458 representing NM_001256654
 Red=Cloning site Green=Tags(s)

MRRHEMVAKPPVMCSHFTQDFWPEQHIKDPFQKATLRRYKNCEHKNVHLKDDHKSVDCECKVHRGGYNGFN
 QCLPATQSKIIFLFDKCVKAFHKFSNSNRHKISHTEKLLFKCKECGKSF CMLPHLAQHKKI I HTRVNFCKCE
 KCGKAFNCP SII TKHKRINTGEKPYTCEECGKVFNWSSRLTTHKKNYTRYKLYKCEECGKAFNKSSILTT
 HKIIRTGEKFKYKCECAKAFNQSSNLTEHKKIHPGEKPYKCEECGKAFNWPSTLTKHKRIHTGEKPYTCE
 ECGKAFNQF SNLTTHKRIHTAEKFKYKTECGEAFSRSSNLTKHKKIHTKPKYKCEECGKAFKSSKLT
 HKLTHTGEKPYKCEECGKAFNWPSTLTKHNRIHTGEKPYKCEVCGKAFNQF SNLTTHKRIHTAEKPYKCE
 ECGKAFSRSSNLTKHKKIHTKPKYKCEECGKAFKSSKLTTEHKIHTHTGEKPYKCEECGKAFNHFSILTK
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 ECGKAFNQFSTLTKHKIHTTEKPYKCEECGKAFKSSSTLTKHKIHTHTGEKPYKCEECGKAFKSSSTLST
 HKIHTHTGEKPYKCECGKAFNRSSNLIEHKKIHTGEQPYKCEECGKAFNYSSHLNTHKRIHTKEQPYKCK
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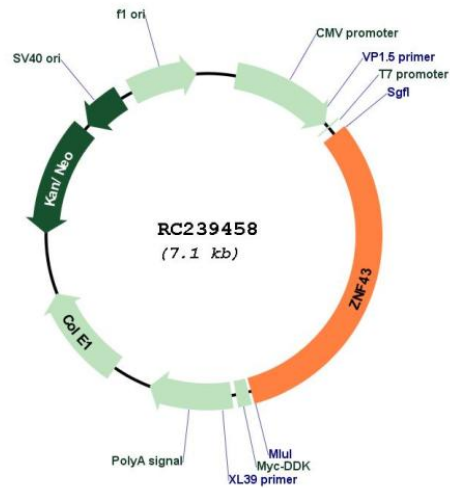
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001256654

ORF Size: 2232 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_001256654.2](#)

RefSeq Size: 5131 bp

RefSeq ORF: 2235 bp

Locus ID: 7594

Cytogenetics: 19p12

Protein Families: Transcription Factors

MW: 86.9 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]