

Product datasheet for **RC234905**

ZNF43 (NM_001256650) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF43 (NM_001256650) 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:

>RC234905 representing NM_001256650
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGTGGCCATAGAATTCGTCTGGAGGAGTGGCAATGCCTGGACATTGCACAGCAGAAATTTATATA
 GGAATGTGATGTTAGAGAACTACAGAACTGGTCTTCTGGGATTGCTGTCTTAAGCCAGACCTGAT
 CACCTGTCTGGAGCAAGAAAAAGAGCCTTGGGAGCCTATGAGGAGACATGAAATGGTAGCCAAACCCCA
 GTTATGTGTTCTCATTTTACCCAAGACTTTGGCCAGAGCAGCATATAAAAGATCCTTTCCAAAAAGCGA
 CACTGAGAAGATATAAACTGTGAACATAAAATGTACATTTAAAAAGACCATAAAAGTGTGGATGA
 GTGTAAGGTGCACAGAGGAGTTATAATGGATTTAACCAATGTTTGCAGCTACCCAGAGCAAAATATTT
 CTATTTGATAAAATGTGTGAAAGCCTTTCATAAATTTCAAATTCAAACAGACATAAGATAAGCCACTG
 AAAAAAACTTTTCAAATGCAAAGAATGTGGCAAATCATTTTGCATGCTCCACATCTAGCTCAACATAA
 AATAATTCATACCAGAGTGAATTTCTGCAAATGTGAAAAATGTGAAAAGCTTTTAACTGCCCTTCAATC
 ATCACTAAACATAAGAGAATTAATACTGGAGAGAAACCTACACATGTGAAGAATGTGGCAAAGCTTTA
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 AAATGTAAAGAATGTGCCAAAGCTTTTAAACCAATCCTCAAACCTTACTGAACATAAGAAAATTCATCCTG
 GAGAGAAACCTTACAAATGTGAAGAATGTGGCAAAGCCTTTAACTGGCCCTCAACTTACTAAACATAA
 GAGAATTCATACTGGAGAGAAACCTACACATGTGAAGAATGTGGCAAAGCCTTTAAACAGTTCTCAAAC
 CTTACTACACATAAGAGAATCCATACTGCAGAGAAATTCATAAATGTACAGAATGTGGTGAAGCTTTTA
 GCCGGTCTCAAACCTTACTAAACATAAGAAAATTCATACTGAAAAGAAACCTACAAATGTGAAGAATG
 TGGCAAAGCTTTTAAAGTGGTCTCAAAGCTTACTGAACATAAGTTAACTCATACTGGAGAGAAACCTAC
 AAATGTGAAGAATGTGGCAAAGCCTTTAACTGGCCCTCAACCTTACTAAACATAACAGAATTCATACTG
 GAGAGAAACCTACAAATGTGAAGTATGTGGCAAAGCCTTTAAACAGTTCTCAAACCTTACTACACATAA
 GAGAATTCATACTGCAGAAAAACGTACAAATGTGAAGAATGTGGCAAAGCTTTTAGCCGGTCTCAAAC
 CTTACTAAACATAAGAAAATTCACATTGAAAAGAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTA
 AGTGGTCTCAAAGCTTACTGAACATAAGATAACTCATACTGGAGAGAAACCTACAAATGTGAAGAATG
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 AAGTGTGAAGAATGTGGCAAAGCTTTTACCAATCCTCAAACCTTACTACACATAAGAAAATTCATACTG
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 CTTACTAAACATAAGATAATTCACACTGAGGAGAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTA
 AGTGGTCTCAAACCTTACTAAACATAAGATAATTCATACTGGAGAGAAACCTACAAATGTGAAGAATG
 TGGCAAAGCTTTTAACTGTCTCAACCTTCTACACATAAGATTATTCATACTGGAGAGAAACCTAC
 AAATGTGAAAAATGTGGCAAAGCTTTTAAACGATCCTCAAACCTTATTGAACATAAGAAAATTCATACTG
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 GAGAATTCATACTAAAGAGCAACCTACAAATGTAAAGAATGTGGCAAAGCTTTCAACCAATATTCAAAC
 CTTACTACACATAACAAAATTCATACTGGAGAGAACTACAAACCTGAAGATGTGACAGTGATTTTGA
 CAACACCTCAAACCTTTTCAAACATAAAA

ACGCGTACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234905 representing NM_001256650
Red=Cloning site Green=Tags(s)

MDVAIEFCLEEWQCLDIAQQNL YRNVMLENYRNLVFLGIAVSKPDLITCLEQEKEPWPMRRHEMVAKPP
VMCSHFTQDFWPEQHIKDPFQKATLRRYKNCEHKNVHLKGDHKSVDCEKVHRGGYNGFNQCLPATQSKIF
LFDKCVKAFHKFSNSNRHKISHTEKLLFKCKEKGKSFCLPHLAQHKKIHRVNFCKCEKCGKAFNCPSI
ITKHKRINTGEKPYTCEECGKVFNWSSRLTTHKKNYTRYKLYKCEECGKAFNKSSILTTHKIIIRTGEKPY
KKECAKAFNQSSNLTEHKKIHPGEKPYKCEECGKAFNWPSTLTKHKRIHTGEKPYTCEECGKAFNQFSN
LTTHKRIHTAEKPYKTECGEAFSRSSNLTKHKKIHTTEKPYKCEECGKAFKWSKLTTEHKLTHTEKPY
KCEECGKAFNWPSTLTKHNRIHTGEKPYKCEVCGKAFNQFSNLTTHKRIHTAEKPYKCEECGKAFSRSSN
LTKHKKIHIIEKKPYKCEECGKAFKWSKLTTEHKIHTTEKPYKCEECGKAFNHFSILTTHKRIHTGEKPY
KCEECGKAFNQSSNLTTHKKIHTGEKPYKCEECGKAFNQFSNLTTHKKIHTGGKPYKCEECGKAFNQFS
LTKHKKIHTTEKPYKCEECGKAFKWSSTLTKHKKIHTTEKPYKCEECGKAFKLSSTLSTHKIHTTEKPY
KCEKCGKAFNRSSNLIEHKKIHTGEQPYKCEECGKAFNYSSHLNTHKRIHTKEQPYKCEECGKAFNQYSN
LTTHNKIHTGEKLYKPEDVTVILTTPQTFSTNIK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001256650

ORF Size: 2409 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_001256650.2](#)

RefSeq Size: 5508 bp

RefSeq ORF: 2412 bp

Locus ID: 7594

UniProt ID: [P17038](#)

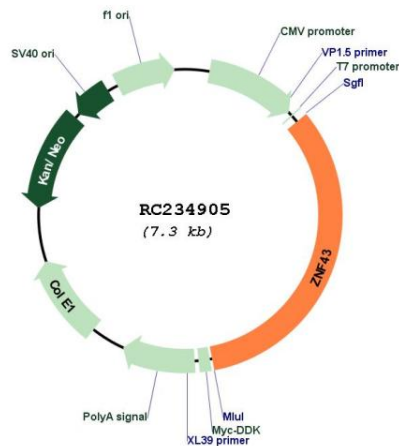
Cytogenetics: 19p12

Protein Families: Transcription Factors

MW: 93.9 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]

Product images:



Circular map for RC234905