

Product datasheet for **RG234903**

ZNF43 (NM_001256648) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF43 (NM_001256648) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF43
Synonyms:	HTF6; KOX27; ZNF39L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234903 representing NM_001256648
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGTGGCCATAGAATTCGTCTGGAGGAGTGGCAATGCCTGGACATTGCACAGCAGAAATTTATATA
 GGAATGTGATGTTAGAGAACTACAGAACTGGTCTTCTGGGTATTGCTGTCTTAAGCCAGACCTGAT
 CACCTGTCTGGAGCAAGAAAAAGAGCCTTGGGAGCCTATGAGGAGACATGAAATGGTAGCCAAACCCCA
 GTTATGTGTTCTCATTTTACCCAAGACTTTGGCCAGAGCAGCATATAAAGATCCTTTCCAAAAAGCGA
 CACTGAGAAGATATAAACTGTGAACATAAAAAATGTACATTTAAAAAAGACCATAAAAGTGTGGATGA
 GTGTAAGGTGCACAGAGGAGTTATAATGGATTTAACCAATGTTTGCCAGCTACCCAGAGCAAAATATTT
 CTATTTGATAAATGTGTGAAAGCCTTTCATAAATTTCAAATTCAAACAGACATAAGATAAGCCACTG
 AAAAAAACTTTTCAAATGCAAAGAATGTGGCAAATCATTTTGCATGCTCCACATCTAGCTCAACATAA
 AATAATTCATACCAGAGTGAATTTCTGCAAATGTGAAAAATGTGGAAAAGCTTTTAACTGCCCTTCAATC
 ATCACTAAACATAAGAGAATTAATACTGGAGAGAAACCTACACATGTGAAGAATGTGGCAAAGCTTTA
 ATGGTCTCACGCCTTACTACACATAAAAAAATTAATACTAGATACAACTCTACAAATGTGAAGAATG
 TGGCAAAGCTTTTAAAGTCTCAATCCTTACTACCCATAAGATAATTCGCACTGGAGAGAAAATTTCTAC
 AAATGTAAAGAATGTGCCAAAGCTTTTAAACCAATCCTCAAACCTTACTGAACATAAGAAAATTCATCCTG
 GAGAGAAACCTTACAAATGTGAAGAATGTGGCAAAGCCTTTAACTGGCCCTCAACTTACTAAACATAA
 GAGAATTCATACTGGAGAGAAACCTACACATGTGAAGAATGTGGCAAAGCCTTTAAACAGTTCTCAAAC
 CTTACTACACATAAGAGAATCCATACTGCAGAGAAATTCATAAATGTACAGAATGTGGTGAAGCTTTTA
 GCCGGTCTCAAACCTTACTAAACATAAGAAAATTCATACTGAAAAGAAAACCTACAAATGTGAAGAATG
 TGGCAAAGCTTTTAAAGTGGTCTTCAAAGCTTACTGAACATAAGTTAACTCATACTGGAGAGAAACCTAC
 AAATGTGAAGAATGTGGCAAAGCCTTTAACTGGCCCTCAACCTTACTAAACATAACAGAATTCATACTG
 GAGAGAAACCTACAAATGTGAAGTATGTGGCAAAGCCTTTAAACAGTTCTCAAACCTTACTACACATAA
 GAGAATTCATACTGCAGAAAAACCGTACAAATGTGAAGAATGTGGCAAAGCTTTTAAAGCTTCTCAAAC
 CTTACTAAACATAAGAAAATTCACATTGAAAAGAAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTA
 AGTGGTCTCAAAGCTTACTGAACATAAGATAACTCATACTGGAGAGAAACCTACAAATGTGAAGAATG
 TGGCAAAGCTTTTAAACCTTCTCAATCCTTACCAAACATAAGAGGATTCATACTGGAGAGAAACCTAC
 AAGTGTGAAGAATGTGGCAAAGCTTTTACCAATCCTCAAACCTTACTACACATAAGAAAATTCATACTG
 GAGAGAAATTCACAAATGTGAAGAATGTGGCAAAGCTTTTACCAATCTCAAACCTTACTACACATAA
 AAAAAATTCATACTGGAGGAAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTAAACAGTTCTCAACT
 CTTACTAAACATAAGATAATTCACACTGAGGAGAAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTTA
 AGTGGTCTCAAACCTTACTAAACATAAGATAATTCATACTGGAGAGAAACCTACAAATGTGAAGAATG
 TGGCAAAGCTTTTAACTGTCTCAACCTTCTACACATAAGATTATTCATACTGGAGAGAAACCTAC
 AAATGTGAAAAATGTGGCAAAGCTTTTAAACGATCCTCAAACCTTATTGAACATAAGAAAATTCATACTG
 GAGAGCAACCTACAAATGTGAAGAATGTGGCAAAGCATTAACTATTCTCACACCTTAATACACATAA
 GAGAATTCATACTAAAGAGCAACCTACAAATGTAAAGAATGTGGCAAAGCTTTTCAACCAATATTCAAAC
 CTTACTACACATAACAAAATTCATACTGGAGAGAACTACAAAACCTGAAGATGTGACAGTGATTTTGA
 CAACACCTCAAACCTTTTCAAACATAAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234903 representing NM_001256648
Red=Cloning site Green=Tags(s)

MDVAIEFCLEEWQCLDIAQQNL YRNVMLENYRNLVFLGIAVSKPDLITCLEQEKEPWPMRRHEMVAKPP
VMCSHFTQDFWPEQHIKDPFQKATLRRYKNCEHKNVHLKDDHKSVDCEKVHRGGYNGFNQCLPATQSKIF
LFDKCVKAFHKFSNSNRHKISHTEKCLKCKEKGKSFCLPHLAQHKKIHRVNFCKCEKCGKAFNCPSI
ITKHKRINTGEKPYTCEECGKVFNWSSRLTTHKKNYTRYKLYKCEECGKAFNKSSILTTHKIIIRTGEKPY
KKECAKAFNQSSNLTEHKKIHPGEKPYKCEECGKAFNWPSTLTCHKRIHTGEKPYTCEECGKAFNQFSN
LTTHKRIHTAEKFKTECGEAFSRSSNLTKHKKIHTTEKPYKCEECGKAFKWSKLTTEHKLTHTEKPY
KCEECGKAFNWPSTLTCHKRIHTGEKPYKCEVCGKAFNQFSNLTTHKRIHTAEKPYKCEECGKAFSRSSN
LTKHKKIHIIEKKPYKCEECGKAFKWSKLTTEHKIHTTEKPYKCEECGKAFNHFSILTCHKRIHTGEKPY
KCEECGKAFNQSSNLTTHKKIHTGEKPYKCEECGKAFKWSKLTTEHKIHTGGKPYKCEECGKAFNQFSN
LTKHKKIHTTEKPYKCEECGKAFKWSKLTCHKIHTTEKPYKCEECGKAFKLSSTLSTHKIHTTEKPY
KCEKCGKAFNRSSNLIEHKKIHTGEQPYKCEECGKAFNYSSHLNTHKRIHTKEQPYKCEECGKAFNQYSN
LTTHNKIHTGEKLYKPEDVTVILTTPQTFSSNIK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



```

                                     Kozac
                                     Consensus
                                     SgfI   AscI
          EcoRI   BamHI KpnI   RBS
CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

          HindIII  NheI  RsrII  MluI   NotI   XhoI   GFP Tag
CAAGCTTAAGTACTAGCTAGCGGACCG  ACG CGT  ACG CGG  CCG CTC GAG  ATG GAG AGC GAC ---
                                     T  R  T  R  P  L  E  M  E  S  D  -  -  -
          PmeI   FseI
          --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT
          - -  E  E  R  V  Stop
    
```

ACCN: NM_001256648

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_001256648.2](#)

RefSeq Size: 5771 bp

RefSeq ORF: 2412 bp

Locus ID: 7594

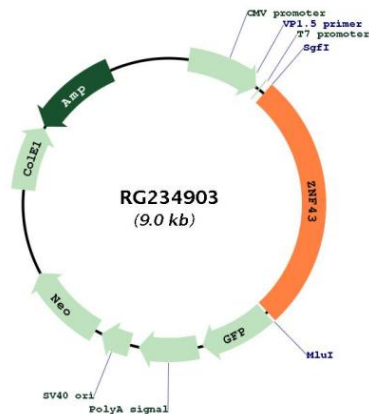
UniProt ID: [P17038](#)

Cytogenetics: 19p12

Protein Families: Transcription Factors

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 RG234903