

Product datasheet for **RG234904**

ZNF43 (NM_001256649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF43 (NM_001256649) 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)



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ORF Nucleotide
Sequence:

>RG234904 representing NM_001256649
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGATGTGGCCATAGAATCTGTCTGGAGGAGTGGCAATGCCTGGACATTGCACAGCAGAAATTTATATA
GGAATGTGATGTTAGAGAACTACAGAACTGGTCTTCTGGGTATTGCTGTCTTAAGCCAGACCTGAT
CACCTGTCTGGAGCAAGAAAAAGAGCCTTGGGAGCCTATGAGGAGACATGAAATGGTAGCCAAACCCCA
GTTATGTGTTCTCATTTTACCCAAGACTTTTGGCCAGAGCAGCATATAAAAGATCCTTTCCAAAAAGCGA
CACTGAGAAGATATAAAACTGTGAACATAAAAAATGTACATTTAAAAAAGACCATAAAAGTGTGGATGA
GTGTAAGGTGCACAGAGGAGTTATAATGGATTTAACCAATGTTTGCCAGCTACCCAGAGCAAAATATTT
CTATTTGATAAAATGTGTGAAAGCCTTTCATAAAATTTCAAATTC AACAGACATAAGATAAGCCACTG
AAAAAAACTTTTCAAATGCAAAGAATGTGGCAAATCATTTTGCATGCTCCACATCTAGCTCAACATAA
AATAATTCATACCAGAGTGAATTTCTGCAAATGTGAAAAATGTGAAAAGCTTTTAACTGCCCTTCAATC
ATCACTAAACATAAGAGAATTAATACTGGAGAGAAACCTACACATGTGAAGAATGTGGCAAAGCTTTA
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TGGCAAAGCTTTTAAAGTCTCAATCCTTACTACCCATAAGATAATTCGCACTGGAGAGAAATTTCTAC
AAATGTAAAGAATGTGCCAAAGCTTTTAAACCAATCCTCAAACCTTACTGAACATAAGAAAATTCATCCTG
GAGAGAAACCTTACAAATGTGAAGAATGTGGCAAAGCCTTTAACTGGCCCTCAACTTACTAAACATAA
GAGAATTCATACTGGAGAGAAACCTACACATGTGAAGAATGTGGCAAAGCCTTTAAACAGTTCTCAAAC
CTTACTACACATAAGAGAATCCATACTGCAGAGAAATTCATAAAATGTACAGAATGTGGTGAAGCTTTTA
GCCGGTCTCAAACCTTACTAAACATAAGAAAATTCATACTGAAAAGAAACCTACAAATGTGAAGAATG
TGGCAAAGCTTTTAAAGTGGTCCTCAAAGCTTACTGAACATAAGTTAACTCATACTGGAGAGAAACCTAC
AAATGTGAAGAATGTGGCAAAGCCTTTAACTGGCCCTCAACCTTACTAAACATAACAGAATTCATACTG
GAGAGAAACCTACAAATGTGAAGTATGTGGCAAAGCCTTTAAACAGTTCTCAAACCTTACTACACATAA
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GAGAGCAACCTACAAATGTGAAGAATGTGGCAAAGCATTAACTATTCTCACACCTTAATACACATAA
GAGAATTCATACTAAAGAGCAACCTACAAATGTAAAGAATGTGGCAAAGCTTTTCAACCAATATTCAAAC
CTTACTACACATAACAAAATTCATACTGGAGAGAACTACAAAACCTGAAGATGTGACAGTGATTTTGA
CAACACCTCAAACCTTTTCAAACATAAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234904 representing NM_001256649
Red=Cloning site Green=Tags(s)

MDVAIEFCLEEWQCLDIAQQNL YRNVML ENYRNLVFLGI AVSKPDLITCLEQEKEPWEP MRRHEMVAKPP
VMCSHFTQDFWPEQHIKDPFQKATL RRYKNCEHKNVHLK KDHKSVDECKVHRGGYNGFNQCLPATQSKIF
LFDKCVKAFHKFSNSNRHKI SHTEKLFKCKE CGKSF CMLPHLAQH KIIHTRVNFCKCEKCGKAFNCPSI
ITKHKRINTGEKPYTCEECGKVFNWSSRL TTHKKNYTRYKLYKCEECGKAFNKSSIL TTHKII RTGEKPY
KKECAKAFNQSSNL TEHKKIHPGEKPYKCEECGKAFNWPSTLTKHKRIHTGEKPYTCEECGKAFNQFSN
LTTHKRIHTAEKPYKTECGEAFSRSSNLTKHKKIHTTEKPYKCEECGKAFKWSKLT EHKLTHTGEKPY
KCEECGKAFNWPSTLTKHNRIHTGEKPYKCEVCGKAFNQFSNL TTHKRIHTAEKPYKCEECGKAFSRSSN
LTKHKKIHIIEKKPYKCEECGKAFKWSKLT EHKI THTGEKPYKCEECGKAFNHFSIL TKHKRIHTGEKPY
KCEECGKAFTQSSNL TTHKKIHTGEKPYKCEECGKAFTQSSNL TTHKKIHTGGKPYKCEECGKAFNQFST
LTKHKI IHTTEKPYKCEECGKAFKWSSTLTKHKI IHTGEKPYKCEECGKAFKLSSTLSTHKI IHTGEKPY
KCEKCGKAFNRSSNL IEHKKIHTGEQPYKCEECGKAFNYSSHLNTHKRIHTKEQPYKCEKCGKAFNQYSN
LTTHNKIHTGEKLYKPEDVTVIL TTPQTF SNIK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_001256649

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_001256649.2](#)

RefSeq Size: 5636 bp

RefSeq ORF: 2412 bp

Locus ID: 7594

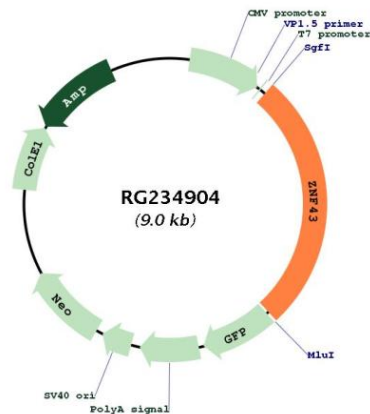
UniProt ID: [P17038](#)

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 RG234904