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Product datasheet for RC234904

ZNF43 (NM_001256649) Human Tagged ORF Clone

Product data:

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

ORF Nucleotide Sequence:

>RC234904 representing NM_001256649
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGTGGCCATAGAATTCTGTCTGGAGGAGTGGCAATGCCTGGACATTGCACAGCAGAATTTATATA
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CTTACTACACATAACAAAATTCATACTGGAGAGAAACTCTACAAACCTGAAGATGTGACAGTGATTTTGA
CAACACCTCAAACTTTTTCAAACATAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234904 representing NM_001256649
Red=Cloning site Green=Tags(s)

MDVAIEFCLEEWQCLDIAQQNLYRNVMLENYRNLVFLGIAVSKPDLITCLEQEKEPWEPMRRHEMVAKPP
VMCSHFTQDFWPEQHIKDPFQKATLRRYKNCEHKNVHLKKDHKSVDECKVHRGGYNGFNQCLPATQSKIF
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KCKECAKAFNQSSNLTEHKKIHPGEKPYKCEECGKAFNWPSTLTKHKRIHTGEKPYTCEECGKAFNQFSN
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LTKHKKIHIEKKPYKCEECGKAFKWSSKLTEHKITHTGEKPYKCEECGKAFNHFSILTKHKRIHTGEKPY
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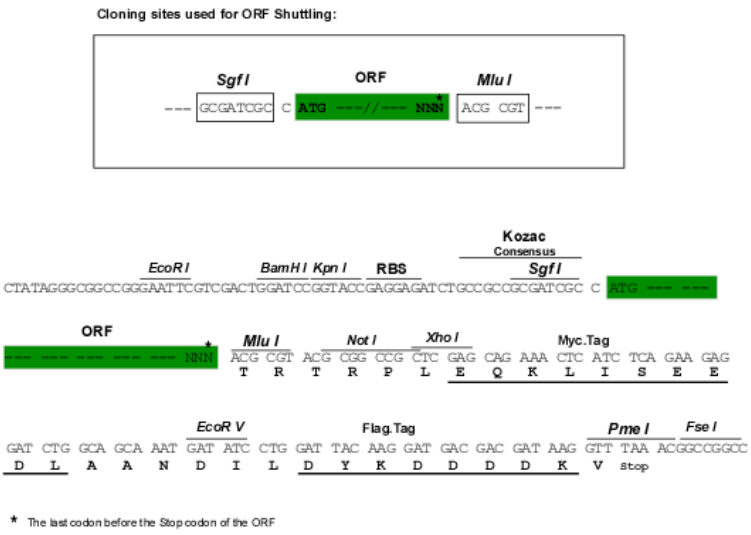
Restriction Sites: SgfI-MluI

Cloning Scheme:



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

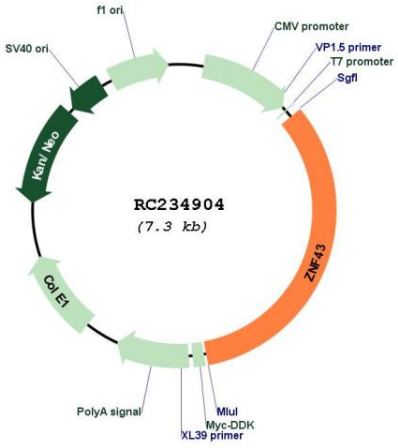
Cytogenetics: 19p12

Protein Families: Transcription Factors

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 RC234904