

Product datasheet for **RC239372**

ZNF304 (NM_001290318) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF304 (NM_001290318) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF304
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC239372 representing NM_001290318
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCAGCGGCGGTGCTGATGGACCGGTTTCAGAGTTGTGTGACCTTCGAGGATGTGTTCTGTACTTCT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
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Protein Sequence: >RC239372 representing NM_001290318
 Red=Cloning site Green=Tags(s)

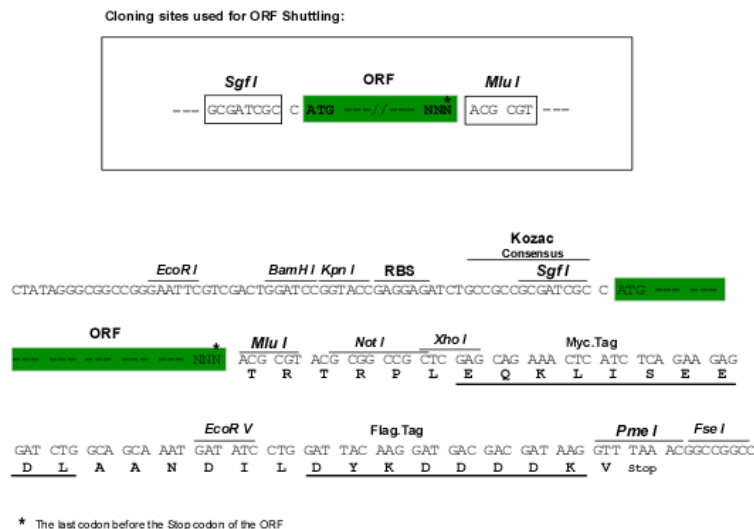
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 ARPYECSECGKFFSRNSGLILHQRVHTGEKPYVCSECGKAYSRSLSLVRHQKAHTGERAHECNISFGGGLA
 ASLKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001290318

ORF Size: 2118 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001290318.1](#), [NP_001277247.1](#)

RefSeq Size: 4561 bp

RefSeq ORF: 2121 bp

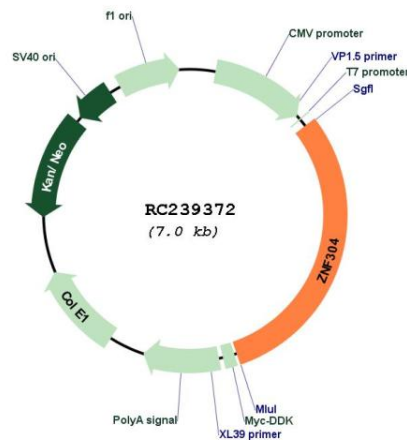
Locus ID: 57343

Cytogenetics: 19q13.43

MW: 80.6 kDa

Gene Summary: This gene encodes a member of the Krueppel C2H2-type zinc-finger family of proteins. The encoded protein functions as a transcriptional repressor that recruits a corepressor complex to stimulate promoter hypermethylation and transcriptional silencing of target genes. Expression of this gene is upregulated in colorectal, ovarian and breast cancer, and this gene may promote cancer cell survival, growth and invasion. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RC239372