

Product datasheet for **RC239113**

ZNF304 (NM_001290319) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF304 (NM_001290319) 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:

>RC239113 representing NM_001290319
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGGAGAACTTTGCACTTGTGGCTACACTAGGTTTTTGGTGTGAAGCAGAACATGAGGCACCTTCTG
 AGCAGAGCGTTTTCTGTAGAAGGAGTGTACAGGTCAAGGACTGCTGAGTCAGGTCTTTTCCAGAAAGCACA
 CCCATGTGAGATGTGTGACCCACTCTTGAAGACATTTTGCACCTGGCTGAACACCAAGGATCACACCTT
 ACACAGAACTGTGCACACGTGGGCTGTGTAGGAGAAGATTCTCGTTCACTGCAAACTTTTACCAGCACC
 AGAAGCAACATAATGGAGAGAATTGCTTCAGAGGGGATGATGGAGGGGCTCATTGTGAAGAGCTGTAC
 AGTCCACATGTTAGGAGATCCTTACGTGCAGGGAGGAAGGGATGGACTTACCAGATAGCTCTGGCCTT
 TTCCAGCACCAGACCACTTACAATAGGGTGAGTCCATGCAGAAGGACTGAATGCATGGAGTCTTCCAC
 ACAGCTCCAGTCTCAGGCAACACCAAGGAGACTATGATGGACAGATGCTTTTCACTTGCAGTGTGAAGG
 GAAAGCCTTCTGGACACCTTTACTCTTCTTACAGCCAGATGACTCATGCTGAGGTGAGACCTTCTAGA
 TGCTTACCATGTGAAATGTGTTCAAGGAGAAATCAGCTCTTATTAATCAGAAAAATCCACAGTGGAG
 AAATATCTCATGTGTGAAGGAGTGTGGAAGGCCTTCATTCACTTGCACCACCTAAAAATGCACCAGAA
 ATTTCACTGGAAAAAGACACTATACATGCAGTGAATGTGGGAAGGCCTTCAGCCGCAAGGACACACTT
 GTTCAGCATCAGAGAGTTCACACTGGAGAAAGATCTTATGACTGCAGTGAATGTGGAAGGCCTTACAGCA
 GAAGCTCCACCTTGTTCAGCACCAGAGAATTCACACAGGAGAAAGGCCTTATAAGTGAACAAATGTGG
 GAAAGCCTTAGCCGTAAGACACACTTGTTCAGCACCAGAGATTTTCACTGGAGAAAGGCCTTATGAG
 TGCAGTGAATGTGGAATCTTTAGCCAAAGCTCCACCTATTGAGCACTGGAGAAATCATACCGGGG
 CAAGGCCTATGAATGCATAGAATGTGGAATCTTTAGCCATAACTTAGCCTCATTAAACATCGGAG
 AGTCCACACAGGAGCAAGATCCTACGTGTGCAGCAAAATGTGGGAAGGCCTTTGGCTGCAAGACACACTT
 GTTCAGCACCAGATAATTCACACTGGAGCAAGGCCTTATGAGTGCAGTGAATGTGGAAGGCCTTACGCC
 GTAAAGACACACTTGTGCAACACCAAAAAATCCACACTGGAGAAAGGCCTTATGAGTGTGGTGAATGTGG
 TAAATCTTCAGCCATAGCTCCACCTTATTGTACACCAGAGAATTCACACTGGAGCAAGGCCTTATGAG
 TGCAATGAATGTGGAAATGCTTTAGCCACAACCCAGCCTCATTTTGCACCAGAGATTCACACAGGAG
 CAAGGCCTTATGTGTGAGTGAATGTGGGAAGGCCTTACATTAGTAGCTCCACCTTGTTCACACAGAA
 AGTTCACACTGGAGCAAGACCTTATGAGTGCAGTGAATGTGGGAATCTTTAGCCGCAACTCTGGCCTC
 ATTCTGCACCAGAGGGTTCACACTGGAGAAAGCCTTACGTATGCAGCAATGTGGGAAGCCTTATAGCA
 GAAGCTCCATCTTGTTCGTACACAGAAAGCTCAGTGGAGAAAGAGCTCACGAGTGAACAGTTTTGG
 TGGCCTTTAGCTGCATCTCTTAACTTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

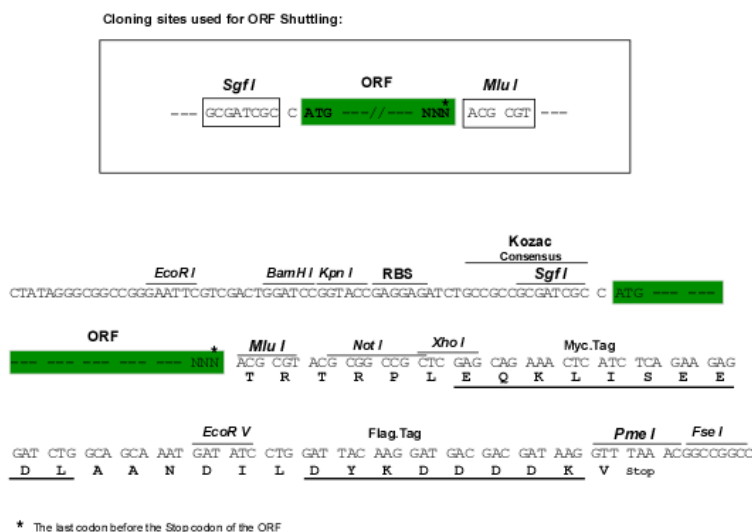
>RC239113 representing NM_001290319
 Red=Cloning site Green=Tags(s)

MLENFALVATLGFWEAEHEAPSEQSVSVEGVSQVRTAESGLFQKAHPCEMCDPLLKDILHLAEHQGSHL
 TQKLCTRGLCRRRFSFSAFYQHQQHNGENCFRGDDGGASFVKSTVHMLGRSFTCREEGMDLPDSSGL
 FQHQTYNRVSPCRRTECMESFPHSSSLRQHQQDYDQMLFSCGDEGKAFLDFTLLDSQMTAEVRPFR
 CLPCGNVFKESALINHRKIHSGEISHVCKEKGKAFIHLHLMHMQKFHTGKRHYTCSECGKAFSRKDTL
 VQHQRVHTGERSYDCSECGKAYSRSDDL VQHQRVHTGERPYKCNKCGKAFSRKDTLVQHQRVHTGERPYE
 CSECGKFFSQSSHLIEHWRIHTGARPYECIECGKFFSHNSSLIKHRVHTGARSYVCSKCGKAFGCKDTL
 VQHQRVHTGARPYECSECGKAFSRKDTLVQHQRVHTGERPYECIECGKFFSHNSSLIKHRVHTGARPYE
 CNECGKCFSHNSSLIKHRVHTGARPYVSECGKAYISSHLVQHKKVHTGARPYECSECGKFFSRNSGL
 ILHQRVHTGEKPYVSECGKAYSRSDDL VRHQAHTGERAHECNSFGGPLAASLKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001290319

ORF Size: 1851 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_001290319.1](#), [NP_001277248.1](#)

RefSeq Size: 4501 bp

RefSeq ORF: 1854 bp

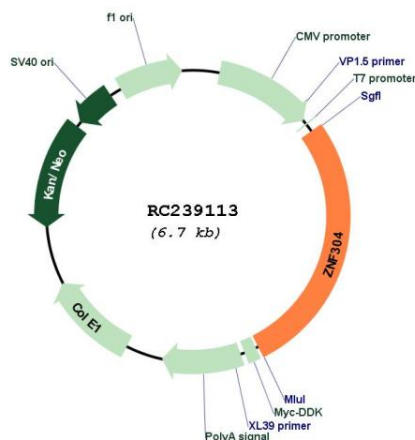
Locus ID: 57343

Cytogenetics: 19q13.43

MW: 70.4 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 RC239113