

## Product datasheet for **RC221898**

### ZNF331 (NM\_001079906) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF331 (NM_001079906) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF331
Synonyms:	RITA; ZNF361; ZNF463
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC221898 ORF sequence, **codon optimized**.  
 Due to the complexity of NM\_001079906, the ORF clone is codon optimized for mammalian Expression.  
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGGCGCAGGGTTGGTTACTTTTTGCAGACGTCGCCATCGACTTCAGCCAGGAGGAGTGGGCTTGTCTGAACAGCGCTCAAAGGGACCTTTACTGGGACGTGATGCTGGAGAACTACAGTAATCTCGTGAGTCTCGACCTCGAGTCCGCATACGAAAATAAGAGCCTGCCAACCGAAAAGAACATACATGAGATTCGAGCATCCAAGCGGAATTCCGATCGCAGATCTAAGTCACTGGGCGGAACTGGATCTGCGAGGGAACACTGGAGAGGCCACAGCGCTCTCGGGGACGATACGTCAACCAGATGATCATCAATTATGTTAAACGCCCCGCAACCAGAGAGGGAAACACCTCCACGAACCCACCAGAGACATCATAAAGAAAACCTATTGCAATGCAAGAGCTGCGGCAAGGCCTTAGCCGGGGTTACCAACTTTCTCAGCACCAGAAAATTCACACAGGCGAGAAACCTATGAATGTAAGGAGTGTAAAAAGCATTCCGCTGGGAAACCAGCTGACACAGCACCAGAAGATACACACCGGTGAGAAACCATACGAATGCAAGGACTGTGGTAAAGCCTCCGCTGGGGGAGTAGTCTGGTTATCCACAAAAGGATACATACCGAGAGAAGCCTTATGAATGCAAGGATTGCGGAAAAGCCTCCGGCGCGGAGACGAACTTACCAACATCAGAGATCCACACAGGTGAGAAAGATTATGAGTGCAAAGACTGTGGCAAACTTTTTCTCGAGTGATAAATTTGATCCAGCACAAAAGGATACATTTCTGGCAGAAAACCTATGAGTGTAAAGACTGTGGAAAAGCTTTTATTTGTGGCAGCTCACTGATTCAACATAAGCGCATACATACCGGGGAAAAGCCTTACGAGTGCCAAGAGTGTGGAAAAGCCTTTCACAGAGTGAATTATCTACCCAACACCAAAAAATCCATACGGGGAAAAGCCCCACGAGTGCAAAGAGTGCAGCAAGGCATTCCGGTGGGGCTTAGCCTGGTCAAAACACGAACGAATCCACACCGCGGAAAACCGTACAAATGTAAGTGAATGCGGCAAGGCCTTCAACTGTGGCTACCACCTTACCAACACGAAAGAATACACACTGGAGAACTCCGTACAAATGCAAAGAGTGCAGCAAGCTTTTATTTACGGATCCTCATTGGTTAAACACGAAAGGATTCATACCGGTGTAACCTTATGGATGTAAGTGTACTGAGTGCAGGAAAGCTTTTTCACACGGGCATCAACTGACACAGCACCAGAAGACTCACAGCGGTGCAAAAAGCTATGAATGTAAGAATGCGGTAAGGCCTGCAACCACCTGAACCACCTGCGCGAGCACCAGCGGATTCACAACCTC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC221898 representing NM\_001079906  
 Red=Cloning site Green=Tags(s)

MAQGLVTFADVAIDFSQEEWACLNSAQRDLWDVMLENYSNLVSLDLESAYENKSLPTEKNIHEIRASKRNSDRRSKSLGRNWICEGTLERPQRSRGYVNMIIINYVKRPATREGTPPRTHQRHHKENSFECKDCGKAFSRGYQLSQHQKIHTGEKPYECKECKKAFRWGNQLTQHQQIHTGEKPYECKDCGKAFRWGSSLVIIHKRIHTGEKPYECKDCGKAFRRGDEL TQHQRFTGEKDYECKDCGKTF SRVYKLIQHKRIHSGEKPYECKDCGKAFICGSSLIQHKRIHTGEKPYECQECGKAF TRVNYLTQHQQIHTGEKPHECKECKGAFRWGSSLVKHERIHTGEKPYKTECGKAFNCGYHLTQHERIHTGETPYKCKECKGAFIYGSSLVKHERIHTGVKPYGCTECGKSF SHGHQLTQHQT HSGAKSYECKECKGACNHLNHLREHQRIHNS

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



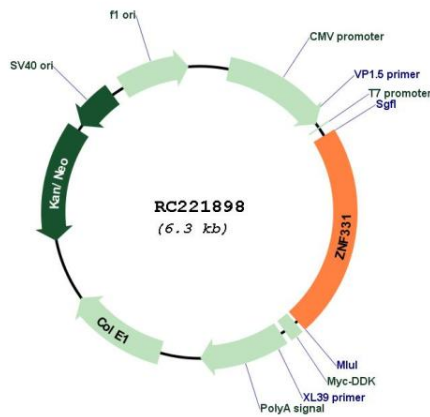
**Cytogenetics:** 19q13.42

**Protein Families:** Transcription Factors

**MW:** 53.7 kDa

**Gene Summary:** This gene encodes a zinc finger protein containing a KRAB (Kruppel-associated box) domain found in transcriptional repressors. This gene may be methylated and silenced in cancer cells. This gene is located within a differentially methylated region (DMR) and shows allele-specific expression in placenta. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding the same protein. [provided by RefSeq, Nov 2015]

**Product images:**



Circular map for RC221898