

## Product datasheet for **RC209416**

### ZNF343 (NM\_024325) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF343 (NM_024325) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF343
Synonyms:	dj734P14.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC209416 ORF sequence, **codon optimized**.  
 Due to the complexity of NM\_024325, 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGCTGCCTTATCCGTCTGCTTTGGGGACCAGTACTGGAAGAAATACTGTTGCCTAAGAATGGAG  
 AGAATGTGGAGACAATGAAAAACTCACGCAGAATCACAAGGCCAAAGGGCTGCCTTCCAATGATACAGA  
 CTGTCCCCAGAAGAAAGAGGGGAAAGCGCAAATTTGGTTCTGTGACATTCGCGATGTGACTGTGATC  
 TTTACCGAGGCCGAATGAAAACGCTGTCCCCGAGCAGAGAAATCTGTATAAGGAGTTATGCTGGAGA  
 ACTATCGAAACCTCCTCTCCCTTGCCGAGCCAAAGCCTGAAATTTACACCTGCAGCTCATGTCTGTTGGC  
 ATTCAGTTGTCAACAGTTCTGAGTCAACATGTACTGCAAAATCTTCTGGGGCTCTGCGCCGAGAACCAT  
 TTTTCATCCCGCAATAGCTCTCCTGGCCATTGGAAGCAACAAGGGCAACAGTATTCACATGTGTCTTGCT  
 GGTGTTGAAAATGCCGAGGGTCAAGAGCGCGGGGGGCTAAGCCTTGGTCCCGAGAAGTGAAGAAAG  
 AGAAACCAAGTCCGGCTTTCCCTAGTCCGCTCCAACGACAGAGCGCGAGTCCGAGAAAGGGAAACATGGTA  
 GTGGAGACTGAACCTCTTCAGCACAGCGGCCAATCCCGTTCAGTTGGACAAAGGGCTTAAAGAGCTTG  
 AGACGTTGAGGTTCCGGCCATCAATTGCAGGGAGTATGAACCCGACCACAACCTGGAAGCAATTTTAT  
 TACCAACCCAGCACACTCCTGGGAAAAAGCCATACATCTGCAGCGACTGCGGCAGACTCTTCAAAGAC  
 CGCTCTACTCTGATCAGACACCACCGCATCCATTCAATGGAGAAGCCCTATGTGTGACGAGTGGCGCC  
 GGGCTTCAGCCAGAAGTCTAACCTGAGCCGCCACAAAGAACTCACTCAGAGGAGAAGCCGTATCTCTG  
 TAGAGAATGTGGCCAGAGTTTTCGATCTAAGTCTATCCTTAACAGGCACCAGTGGACCCATTCCGAAGAA  
 AAGCCTTACGTATGTTCCGAATGCGGGAGAGGGTTCTCAGAAAAAGCTCCTTCATTAGACACCAGCGGA  
 CGCATAGTGGTGAGAAGCCATACGTCTGTCTGGAGTGGGGCGAAGTTTCTGCGATAAGTCTACCTTGCG  
 CAAGCATCAGCGAATACACTCAGGCGAGAAGCCATACGTGTGTCGCGAGTGTGGCCGCGGCTTTAGCCAG  
 AACTCAGACCTTATCAAACATCAGAGAACGCATCTGGACGAAAAACCATACGTCTGCCGCAATGCGGAA  
 GAGGCTTTTGTGATAAGAGTACCTTGATAATTCAGAAAGAACACTCAGGGGAAAAGCCCTATGTGTG  
 TGGCGAGTGGCGAAGGGTTTCTCTCGAAAGAGCTTGTGCTGGTGCACCAGAGGACCCATAGCGGAGAA  
 AAGCATTACGTGTGCCGAGTGCAGAAGGGGATTTTCCAGAAATCTAACCTGATCAGGCACCAGCGGA  
 CCCACTCCAACGAAAAACCATACATCTGCCGGGAATGCGGTGAGGATTCTGTGACAAGTCCACCCTGAT  
 CGTCCATGAGAGGACACTCAGGTGAAAAACCATACGTTTGTTCAGAGTGTGGAAGAGGATTTTCTAGA  
 AAATCCCTGCTCCTTGTTCACCAGCGGACCCATTCAGGCGAGAAACACTATGTTTGCCGGGAGTGTGGGC  
 GGGGATTTCTCAGAAAGCAACCTTATTCGCCATCAGAGAACACAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC209416 representing NM\_024325  
Red=Cloning site Green=Tags(s)

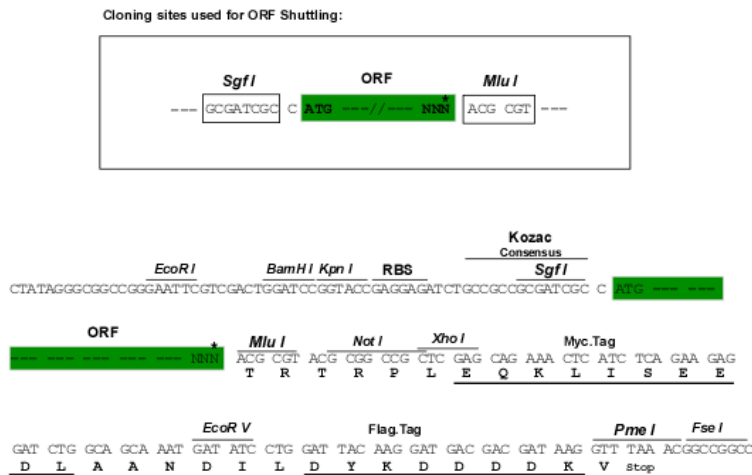
MMLPYPSALGDQYWEEILLPKNGENVETMKKLTONHKAKGLPSNDTDCPQKKEGKAQIVVPVTFRDVTVI  
 FTEAEWKRLSPEQRNLYKEVMLENYRNLLSLAEPKPEIYTCSSCLLAFSCQQLSQHVLQIFLGLCAENH  
 FHPGNSSPGHWKQQGQQYSHVSCWFENAEGQERGGGSKPWSARTEERETSRAFPSPLQRQSASPRKGNMV  
 VETEPSSAQRPNPVQLDKGLKELETLRFGAINCREYEPDHNLESNFITNPRLLGKKPYICSDCGRSFKD  
 RSTLIRHHRIHSMEKPYVCSECGRGSQKSNLSRHQRTHSEKPYLCRECGQSFRSKSILNRHQWTHSEE  
 KPYVCSECGRGSSEKSSFIRHQRTHSGEKPYVCLCEGRSFCDKSTLRKHQRIHSGEKPYVCRECGRGSQ  
 NSDLIKHQRTHLDEKPYVCRECGRGSFCDKSTLIIHERTHSGEKPYVCGECGRGSFRKSLLLVHQRTHSGE  
 KHYYVCRECGRGSQKSNLIRHQRTHSNEKPYICRECGRGSFCDKSTLIVHERTHSGEKPYVCRECGRGSR  
 KSLLLVHQRTHSGEKHYVCRECGRGSFKSNLIRHQRTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_024325

**ORF Size:** 1797 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\\_024325.3](#), [NM\\_024325.4](#), [NM\\_024325.5](#), [NP\\_077301.4](#)

**RefSeq Size:** 3644 bp

**RefSeq ORF:** 1800 bp

**Locus ID:** 79175

**UniProt ID:** [Q6P1L6](#)

**Cytogenetics:** 20p13

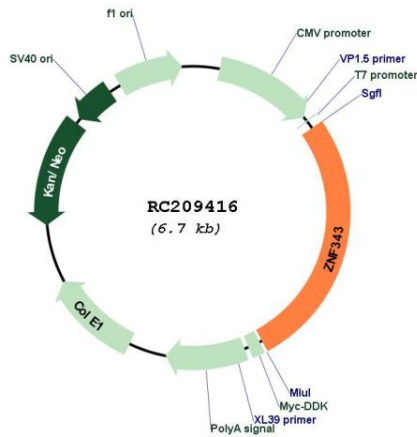
**Domains:** KRAB, zf-C2H2

**Protein Families:** Transcription Factors

**MW:** 69.2 kDa

**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC209416