

## Product datasheet for **RC229331**

### ZNF135 (NM\_003436) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF135 (NM_003436) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF135
Synonyms:	pHZ-17; pT3; ZNF61; ZNF78L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC229331 ORF sequence, **codon optimized**.  
 Due to the complexity of NM\_003436, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACACCCGGGGTGGCGTGAGCACAGATCCCGAGCAGGTAACTTTTGAGGACGTGGTGGTGGGTTCA  
 GCCAGGAAGAATGGGACAGTTGAAGCCTGCTCAGCGAACACTGTACCGGATGTGATGCTCGACACATT  
 CCGACTGTTGGTCAGCGTGGGCCACTGGCTTCTAAACCCAACGTGATCAGCCTGCTGGAGCAGGAGGCA  
 GAACCTTTGGGCCGTGGAATCACGCCTCCCCAGGGAGTGTATCCCGAGATCAAGGGCCATTTCCAGTTTT  
 TGCCTCTGTCAGACCTTGAGACACGACCTAAGGTTAAGCTGAGCGTTCTTAAGCAGGGAATCAGCGAGGA  
 AATAAGTAATAGCGTTATCCTCGTCGAGCGCTTCTGTGGGATGGCCTGTGGTACTGCCGGGGGAGGAT  
 ACCGAAGGCCATTGGGAGTGGAGTTGTGAATCACTCGAGAGCCTCGCCGTGCCAGTTGCTTTCACTCCCG  
 TAAAAACCCCTGTGCTCGAACAGTGGCAAAGAAATGGCTTCGGAGAGAACATCTCACTGAATCCAGACCT  
 CCCCCACCAACCTATGACCCCTGAGAGGCAATCTCCCCACACATGGGGAACCCGGGGCAAGAGGGAGAAG  
 CCTGACTTGAATGTCCTCAGAAAATTGCGTGAAGGAGAAACCTATAAATGTCAAGAGTGTGGCAAAG  
 CATTCTCACACAGCAGCGCACTGATAGAACCACCCGACTCATACTGGCAGAGGCCGTACGAGTGCCA  
 TGAATGCCTCAAAGGATTCGCAATTCTAGCGCTGACAAAAGCACCAGCGAATTCATACTGGCGAAGG  
 CCTATAAGTGCACTCAGTGTGGAAGGACATTCATCAGATAGCCCCCTGATTCAACACCAGCGCACAC  
 ACACAGGCGAAAAACCGTACGAGTGTAGCGAATGCGGCAAAAAGTTTCTCCTTTAGAACTCTTTCTCTCA  
 ACACGAAAGAACTCATACCGGGGAGAAGCCATATGAGTGTCCGAATGCGGCAAAGCCTTCAGGCAGTCT  
 ATTCATCTGACTCAGCACTTGCGAATACATACAGGCGAGAAGCCTTACCAGTGTGGGGAGTGTGGCAAGG  
 CCTTTAGTCACAGTAGCAGTCTTACCAAACACCAAAGGATTCATACTGGAGAGAAACCATATGAGTGTCA  
 CGAGTGTGGCAAAGCCTTCACTCAGATCACCCACTCATACAGCACCAGAGAACACATACTGGCGAGAAA  
 CCATATGAGTGGCGTGAATGCGGCAAAGCATTCTCCAGTCCACACTTCTGACTGAACACAGAAGGATCC  
 ACACCGGGGAAAAACCTATGGGTGTAATGAATGCGGCAAGACTTTCAGCCACTCTAGCTCTGTCTCA  
 ACATGAACGAACCCACACCGGCGAAAAGCCATATGAGTGTCCCAATGCGGAAAGGCATTCGACAGTCA  
 ACGCATCTTACCCAGCACCAGAGAATCCACACGGGTGAGAAAACCTATGAGTGAACGACTGCGGCAAGG  
 CTTTTTCTCATTCCAGTTCATTGACAAAGCATCAAAGGATCCACACCGGAGAGAAACCTTATGAGTGTA  
 CCAGTGGCGGAGAGCCTTCAGTCAGCTTCTCCCTTGATTCAACACCAAAGAATCCACACCGGGGAGAAA  
 CCATACGAGTGAACCAATGCGGGAGGGCTTTCTCTCAAAGCTCCCTCCTTATTGAGCATCAGAGAATAC  
 ATACAAAGGAGAAGCCATACGGATGCAATGAGTGGGCAAGTCTTTTAGCCACAGTAGCAGTCTGTCACA  
 ACACGAGCGCACCCACACAGGTGAAAAGCCTTATGAGTGTGATGACTGCGGTAAGTCTTTAGACAGTCT  
 ACCCATTTACCCAGCACAGGCGGATCCACACCGGCGAAAAGCCGTACGCATGCCGGGATTGCGGAAAAG  
 CTTTACCCACTCATCCCTGACAAAACATCAGCGAAACCCATACCGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC229331 representing NM\_003436  
Red=Cloning site Green=Tags(s)

MTPGVRVSTDPEQVTFEDVVVGFSSQEEWQLKPAQRTL YRDVMLDTFRLLVSVGHWLPKPNVISLLEQEA  
 ELWAVESRLPQGVYPEIKGHFQFLLLSDLETRPKVKLSVLKQGISEEISNSVILVERFLWDGLWYCRGED  
 TEGHWEWSCESLES LAVPVAFTPVKTPVLEQWQRNGFGENISLNPDLPHQPMTPERQSPHTWGRGKREK  
 PDLNLVQKTCVKEKPYKCQECGKAFSHSSALIEHHRHTHTGERPYECHECLKGFRNSSALTKHQRIHTGEK  
 PYKTCQCGRTFNQIAPLIQHQRTHHTGEKPYECSECGKSF SFRSSFQHERHTHTGEKPYECSECGKAFRQS  
 IHLTQHLRIHTGEKPYQCGECGKAFSHSSSLTKHQRIHTGEKPYECHECGKAFTQITPLIQHQRTHHTGEK  
 PYECGECGKAFSQSTLLTEHRIHTGEKPYGCNECGKTF SHSSLSQHERHTHTGEKPYECSCGKAFRQS  
 THLTQHQRHTHTGEKPYECNDCGKAFSHSSSLTKHQRIHTGEKPYECNQCGRAFSQLAPLIQHQRHTHTGEK  
 PYECNQCGRAFSQSSLLIEHQRIHTKEKPYGCNECGKSF SHSSLSQHERHTHTGEKPYECHDCGKSF RQS  
 THLTQHRRHTHTGEKPYACRDCGKAFTHSSSLTKHQRTHTG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_003436

**ORF Size:** 2010 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\\_003436.3](#), [NP\\_003427.3](#)

**RefSeq Size:** 3408 bp

**RefSeq ORF:** 2013 bp

**Locus ID:** 7694

**UniProt ID:** [P52742](#)

**Cytogenetics:** 19q13.43

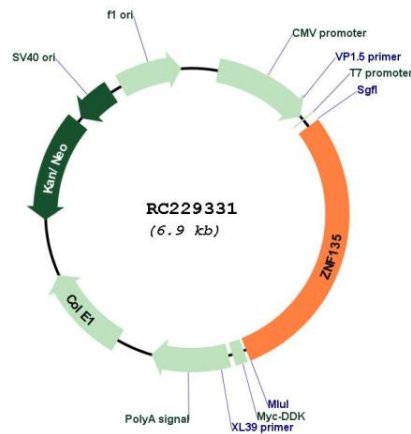
**Domains:** zf-C2H2

**Protein Families:** Transcription Factors

**MW:** 76.7 kDa

**Gene Summary:** Plays a role in the regulation of cell morphology and cytoskeletal organization. May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC229331