

Product datasheet for **RG229331**

ZNF135 (NM_003436) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF135 (NM_003436) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF135
Synonyms:	pHZ-17; pT3; ZNF61; ZNF78L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG229331 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**

ATGACACCCGGGGTGCCTGAGCACAGATCCCGAGCAGGTAACTTTTGAGGACGTGGTGGTGGGTTCA
 GCCAGGAAGAATGGGACAGTTGAAGCCTGCTCAGCGAACACTGTACCGGATGTGATGCTCGACACATT
 CCGACTGTTGGTCAGCGTGGGCCACTGGCTTCTAAACCCAACGTGATCAGCCTGCTGGAGCAGGAGGCA
 GAACCTTTGGGCCGTGGAATCACGCTCCCCAGGGAGTGTATCCCGAGATCAAGGGCCATTTCCAGTTTT
 TGCCTCTGTCAGACCTTGAGACACGACCTAAGGTTAAGCTGAGCGTTCTTAAGCAGGGAATCAGCGAGGA
 AATAAGTAATAGCGTTATCCTCGTCGAGCGCTTCTGTGGGATGGCCTGTGGTACTGCCGGGGGAGGAT
 ACCGAAGGCCATTGGGAGTGGAGTTGTGAATCACTCGAGAGCCTCGCCGTGCCAGTTGCTTTCACTCCCG
 TAAAAACCCCTGTGCTCGAACAGTGGCAAAGAAATGGCTTCGGAGAGAACATCTCACTGAATCCAGACCT
 CCCCCACCAACCTATGACCCCTGAGAGGCAATCTCCCCACATGGGGAACCCGGGGCAAGAGGGGAGAAG
 CCTGACTTGAATGTCCTCAGAAAATTGCGTGAAGGAGAAACCTATAAATGTCAAGAGTGTGGCAAAG
 CATTCTCACACAGCAGCGCACTGATAGAACCACCCGACTCATACTGGCAGAGGCCGTACGAGTGCCA
 TGAATGCCTCAAAGGATTCGCAATTCTAGCGCTGACAAAAGCACCAGCGAATTCATACTGGCGAAGG
 CCCTATAAGTGCACTCAGTGTGGAAGGACATTCATCAGATAGCCCCCTGATTCAACACCAGCGCACAC
 ACACAGGCGAAAAACCGTACGAGTGTAGCGAATGCGGCAAAAAGTTTCTCCTTTAGAACTCTTTCTCTCA
 ACACGAAAGAACTCATACCGGGGAGAAGCCATATGAGTGTCCGAATGCGGCAAAGCCTTCAGGCAGTCT
 ATTCATCTGACTCAGCACTTGCGAATACATACAGGCGAGAAGCCTTACCAGTGTGGGGAGTGTGGCAAGG
 CCTTTAGTCACAGTAGCAGTCTTACCAAACACCAAAGGATTCATACTGGAGAGAAACCATATGAGTGTCA
 CGAGTGTGGCAAAGCCTTCACTCAGATCACCCACTCATACAGCACCAGAGAACACATACTGGCGAGAAA
 CCATATGAGTGCCTGAATGCGGCAAAGCATTCTCCAGTCCACACTTCTGACTGAACACAGAAGGATCC
 ACACCGGGGAAAAACCTATGGGTGTAATGAATGCGGCAAGACTTTCAGCCACTCTAGCTCTGTCTCA
 ACATGAACGAACCCACACCGGCGAAAAGCCATATGAGTGTCCCAATGCGGAAAGGCATTCGACAGTCA
 ACGCATCTTACCCAGCACCAGAGAATCCACACGGGTGAGAAAACCTATGAGTGAACGACTGCGGCAAGG
 CTTTTTCTCATTCCAGTTCATTGACAAAGCATCAAAGGATCCACACCGGAGAGAAACCTTATGAGTGTA
 CCAGTGGCGGAGAGCCTTCAGTCAGCTTCTCCCTTGATTCAACACCAAAGAATCCACACCGGGGAGAAA
 CCATACGAGTGAACCAATGCGGGAGGGCTTTCTCTCAAAGCTCCCTCTTATTGAGCATCAGAGAATAC
 ATACAAAGGAGAAGCCATACGGATGCAATGAGTGGGCAAGTCTTTAGCCACAGTAGCAGTCTGTCACA
 ACACGAGCGCACCCACACAGGTGAAAAGCCTTATGAGTGTGATGACTGCGGTAAGTCTTTAGACAGTCT
 ACCCATTTACCCAGCACAGGCGGATCCACACCGGCGAAAAGCCGTACGCATGCCGGGATTGCGGAAAAG
 CTTTACCCACTCATCCCTGACAAAACATCAGCGAACCCATACCGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229331 representing NM_003436
 Red=Cloning site Green=Tags(s)

MTPGVRVSTDPEQVTFEDVVVGFSSQEEWGQLKPAQRTL YRDVMLDTFRLLVSVGHWLPKPNVISLLEQEA
 ELWAVESRLPQGVYPEIKGHFQFLLLSDLETRPKVKLSVLKQGISEEISNSVILVERFLWDGLWYCRGED
 TEGHWEWSCESLESLAVPVAFTPVKTPVLEQWQRNGFGENISLNPDLPHQPMTPERQSPHTWGRGKREK
 PDLNVLQKTCVKEKPYKCQCECGKAFSHSSALIEHHRHTHTGERPYECHECLKGFRNSSALTKHQRHTGK
 PYKCTQCGRTFNQIAPLIQHQRHTHTGKPYECSECGKSF SFRSSFQHERHTHTGKPYECSECGKAFRQS
 IHLTQHRLRIHTGKPYQCGECGKAFSHSSSLTKHQRHTHTGKPYECHECGKAFTQITPLIQHQRHTHTGK
 PYECGECGKAFSQSTLLTEHRIHTGKPYGCNECGKTF SHSSLSQHERHTHTGKPYECSCGKAFRQS
 THLTQHQRHTHTGKPYECNDCGKAFSHSSSLTKHQRHTHTGKPYECNQCGRAFSQLAPLIQHQRHTHTGK
 PYECNQCGRAFSQSLLIEHQRHTHTGKPYGCNECGKSF SHSSLSQHERHTHTGKPYECHDCGKSF RQS
 THLTQHRRHTHTGKPYACRDCGKAFTHSSSLTKHQRHTHTG

TRTRPLE - GFP Tag - V

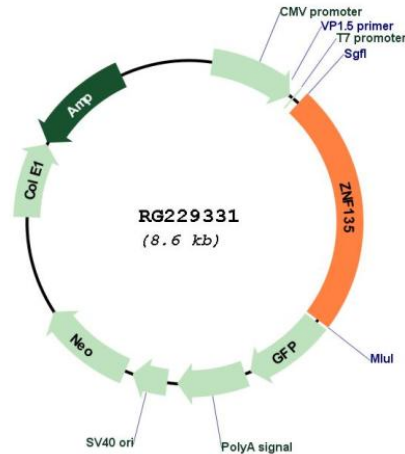
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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

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