

Product datasheet for **RG228534**

ZNF135 (NM_007134) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|-------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | ZNF135 (NM_007134) 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:

>RG228534 ORF sequence, **codon optimized**.
Due to the complexity of NM_007134, 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**CGATCGC**C

ATGGAGCTGGGGAGTAGAAGACGCTCTGTGGGTTGCAGATGTCGGGGACTTTGCCTGGCGGTTTCGCAGAG
 AACAGGTGACTTTTGAAGACGTCGTCGTGGGGTTAGCCAAGAGGAGTGGGGTCAGCTTAAGCCCGCACA
 ACGCACACTGTACAGGGACGTAATGTTGGATACGTTTCAGACTGCTCGTCTCCGTCGGTCACTGGCTGCC
 AAGCCTAACGTGATCAGCCTCCTGGAGCAGGAAGCCGAGTTGTGGCCGTGGAGTCACTCCCGCAGG
 GAGTATACCCCGAGATCAAGGGACATTTCCAGTTCCTGCTTCTGAGTGATCTGGAGACACGGCCAAAGGT
 AAAACTGAGCGTACTCAAGCAGGGCATCAGTGAAGAGATAAGCAACAGCGTTATCCTCGTGGAAACGCTTT
 CTGTGGGACGGACTTTGGTATTGTGGGGTGAAGATACGGAGGGGCATTGGGAATGGTCAATGTGAGAGCC
 TCGAAAGTCTGGCCGTGCCGGTGGCATTACCCCTGTGAAAACACCTGTGCTCGAACAGTGGCAGAGAAA
 TGGCTTCGGGGAAAAATACAGCCTCAACCCCGATCTGCCGCATCAGCCATGACGCCAGAACGCCAGAGC
 CCACACACCTGGGGACACGCGGGAAAAGAAAAACAGACCTCAACGTACTGCAAAAGACATGTGTGA
 AAGAAAAACCTATAAGTGCCAGGAGTGTGAAAGGCATTCTCACACAGCTCCCGTTGATCGAGCATCA
 CAGAACGCACACCGGGAAACGCCGTACGAATGCCACGAATGTTGAAAGGCTTTTCGCAATAGCAGCGCC
 CTGACGAAGCACCAAGAATCCATACAGGAGAGAAAACCTTACAAATGCACACAGTGTGGCCGACTTTTA
 ACCAGATAGCGCCTTTGATACAGCATCAGCGAACACATACTGGCGAGAAAACCTTATGAGTGCTCTGAGTG
 CGGAAAGTCATTTTATTTCAGGTCATCCTTCTCACAACACGAGAGAACTCACACTGGCGAAAAGCCCTAC
 GAATGTAGTGAGTGCGGGAAAGCTTTTAGGCAATCTATACACCTGACCCAACACCTTAGGATCCACACTG
 GCGAGAAGCCTTACCAGTGCGGGAAATGTGAAAAGCTTTCTCACACTCCTTTCACTTACCAAGCATCA
 GAGGATTCACACTGGGGAAAAACCTTACGAATGTCATGAGTGCGGGAAAGCGTTCACCCAGATCACCCCT
 CTCATCCAGCATCAGCGACACATACAGGCGAAAAGCCGTACGAGTGTGGAGAGTGGCGAAAGCATTCA
 GCCAGTCTACACTGCTTACCGAGCACAGAAGGATTCACACCGGAGAGAAGCCATATGGGTGTAACGAATG
 TGGGAAAACATTAGTCATAGTAGCTCCCTCAGCCAGCACGAACGAACCTATACCGGCGAGAAGCCCTAC
 GAATGCTCACAGTGCGGCAAAGCTTTCCGACAGAGCACTCATCTGACACAGCACCAGCGAATCCACACAG
 GCGAAAACCATATGAATGCAACGACTGTGGCAAAGCATTTAGTCACTCCAGCAGCCTGACTAAACATCA
 ACGCATCCACACTGGGGAAAAACCGTATGAATGCAACCAAGTGTGGTAGAGCCTTTAGTCACTTGCACCA
 CTCATTACAGCAAAAGAATTACACAGGAGAAAAACCTTACGAATGCAATCAGTGTGGACGAGCATTCA
 GTCAGAGCTCTCTGCTCATAGAACATCAGCGAATACACACAAAGGAAAAACCTTACGGCTGCAATGAGTG
 TGGAAAAGCTTTAGTCACTCCAGCTCACTCTCTCAGCATGAGCGGACCCACACCGGAGAGAAAACCATAC
 GAGTGTACGATTGTGGCAAAGCTTCCGGCAGAGCACCCACCTGACCCAGCACCCGAGAATCCACACCG
 GTGAGAAAACCATATGCATGTAGGATTGGGTAAGCATTACCCACTCATCCAGCCTTACTAAGCATCA
 AAGAACTCACACTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228534 representing NM_007134
 Red=Cloning site Green=Tags(s)

MELGSRRRSVGCRCRGLCLAVRREQVTFEDVVVGFSSQEEWQLKPAQRTL YRDVMLDTFRLLVSVGHWLP
 KPNVISLLEQEAE LWAVESRLPQGVYPEIKGHFQFLLLSDLETRPKVKLSVLKQGISEEISNSVILVERF
 LWDGLWYCRGEDTEGHWEWSCESLESLAVPVAFTPVKTPVLEQWQRNGFGENISLNPDLPHQPMTPERQS
 PHTWGTRGKREKPDNLV LQKTCVKEKPYKCQECGKAFSHSSALIEHHRHTHTGERPYECHECLKGFRNSSA
 LTKHQRIHTGEKPYKCTQCGRFTNQIAPLIQHQRTHHTGEKPYECSECGKSF SFRSSF SQHERHTHTGEKPY
 ECSECGKAFRQSIHLTQH LRIHTGEKPYQCGECGKAFSHSSSLTKHQRIHTGEKPYECHECGKAFTQITP
 LIQHQRTHHTGEKPYECGECGKAFSQSTLLTEHRRHTHTGEKPYGCNECGKTF SHSSLSQHERHTHTGEKPY
 ECSQCGKAFRQSTHLTQHRIHTGEKPYECNDCGKAFSHSSSLTKHQRIHTGEKPYECNQCGRAFSQLAP
 LIQHQRHTHTGEKPYECNQCGRAFSQSLLIEHQRHTHTKEKPYGCNECGKSF SHSSLSQHERHTHTGEKPY
 ECHDCGKSF RQSTHLTQHRRHTHTGEKPYACRDCGKAFTHSSSLTKHQRTHTG

TRTRPLE - GFP Tag - V

Restriction Sites:

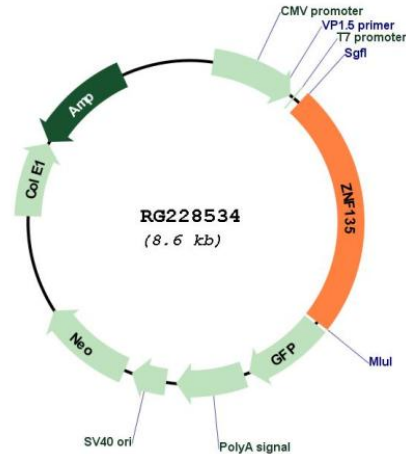
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_007134

ORF Size: 2046 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_007134.1](#), [NP_009065.1](#)

RefSeq Size: 3346 bp

RefSeq ORF: 2049 bp

Locus ID: 7694

UniProt ID: [P52742](#)

Cytogenetics: 19q13.43

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]