

Product datasheet for **RC228534**

ZNF135 (NM_007134) Human Tagged ORF Clone

Product data:

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

>RC228534 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
 AAGCCTAACGTGATCAGCCTCCTGGAGCAGGAAGCCGAGTTGTGGCCGTGGAGTCACTGCCGAGG
 GAGTATACCCCGAGATCAAGGGACATTTCCAGTTCCTGCTTCTGAGTGATCTGGAGACACGGCCAAAGT
 AAAACTGAGCGTACTCAAGCAGGGCATCAGTGAAGAGATAAGCAACAGCGTTATCCTCGTGGAACGCTTT
 CTGTGGGACGGACTTTGGTATTGTGGGGTGAAGATACGGAGGGGATTGGGAATGGTCAATGTGAGAGCC
 TCGAAAGTCTGGCCGTGCCGGTGGCATTACCCCTGTGAAAACACCTGTGCTCGAACAGTGGCAGAGAAA
 TGGCTTCGGGGAAAAATACAGCCTCAACCCGATCTGCCGCATCAGCCATGACGCCAGAACGCCAGAGC
 CCACACACCTGGGGACACGCGGGAAAAGAAAAACAGACCTCAACGTAAGCAAAAGACATGTGTGA
 AAGAAAAACCTATAAGTGCCAGGAGTGTGAAAGGCATTCTCACACAGTCCCGGTTGATCGAGCATCA
 CAGAACGCACACCGGGAAACGCCGTACGAATGCCACGAATGTTGAAAGGCTTTTCGCAATAGCAGCGCC
 CTGACGAAGCACCAAGAATCCATACAGGAGAGAAAACCTTACAAATGCACACAGTGTGGCCGACTTTTA
 ACCAGATAGCGCCTTTGATACAGCATCAGCGAACACATACTGGCGAGAAAACCTTATGAGTGCTCTGAGTG
 CGGAAAGTCATTTTCACTCAGGTCATCCTTCTCACAACACGAGAGAACTCACACTGGCGAAAAGCCCTAC
 GAATGTAGTGAGTGCGGGAAAGCTTTTAGGCAATCTATACACCTGACCCAACACCTTAGGATCCACACTG
 GCGAGAAGCCTTACCAGTGCGGGAAATGTGAAAAGCTTTCTCACACTCCTTCACTTACCAAGCATCA
 GAGGATTCACACTGGGGAAAAACCTTACGAATGTCATGAGTGCGGGAAAGCGTTCACCCAGATCACCCCT
 CTCATCCAGCATCAGCGGACACATACAGGCGAAAAGCCGTACGAGTGTGGAGAGTGGCGAAAGCATTCA
 GCCAGTCTACACTGCTTACCGAGCACAGAAGGATTCACACCGGAGAGAAGCCATATGGGTGTAACGAATG
 TGGGAAAACATTAGTCATAGTAGCTCCCTCAGCCAGCACGAACGAACCTATACCGGCGAGAAGCCCTAC
 GAATGCTCACAGTGCGGCAAAGCTTTCCGACAGAGCACTCATCTGACACAGCACCAGCGAATCCACACAG
 GCGAAAACCATATGAATGCAACGACTGTGGCAAAGCATTTAGTCACTCCAGCAGCCTGACTAAACATCA
 ACGCATCCACACTGGGGAAAAACCGTATGAATGCAACCAAGTGTGGTAGAGCCTTTAGTCAACTTGCACCA
 CTCATTACAGCAAAAGAATTACACAGGAGAAAAACCTTACGAATGCAATCAGTGTGGACGAGCATTCA
 GTCAGAGCTCTCTGCTCATAGAACATCAGCGAATACACACAAAGGAAAAACCTTACGGCTGCAATGAGTG
 TGGAAAAGCTTTAGTCACTCCAGCTCACTCTCTCAGCATGAGCGGACCCACACCGGAGAGAAACCATA
 GAGTGTACGATTGTGGCAAAGCTTCCGGCAGAGCACCCACCTGACCCAGCACCCGAGAATCCACACCG
 GTGAGAAAACCATATGCATGTAGGGATTGGGTAAGCATTACCCACTCATCCAGCCTTACTAAGCATCA
 AAGAACTCACACTGGC

ACGCGTACGCGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228534 representing NM_007134
Red=Cloning site Green=Tags(s)

MELGSRRRSVGCRCRGLCLAVRREQVTFEDVVVGFSSQEEWQLKPAQRTL YRDVMLDTFRLLVSVGHWLP
 KPNVISLLEQEAEWAVESRLPQGVYPEIKGHFQFLLLSDLETRPKVKLSVLKQGISEEISNSVILVERF
 LWDGLWYCRGEDTEGHWEWSCESLESLAVPVAFTPVKTPVLEQWQRNGFGENISLNPDLPHQPMTPERQS
 PHTWGTGRKREKPDNLVQKTCVKEKPYKCECGKAFSHSSALIEHHRHTGERPYECHECLKGFRNSSA
 LTKHQRIHTGEKPYKCTQCGRFTNQIAPLIQHQRTHTGEKPYECSECGKSF SFRSSFQHERHTHTGEKPY
 ECSECGKAFRQSIHLTQHRLRIHTGEKPYQCGECGKAFSHSSSLTKHQRIHTGEKPYECHECGKAFQITP
 LIQHQRTHTGEKPYECGECGKAFSQSTLLTEHRRHTHTGEKPYGCNECGKTF SHSSLSQHERHTHTGEKPY
 ECSQCGKAFRQSTHLTQHQRHTHTGEKPYECNDCGKAFSHSSSLTKHQRIHTGEKPYECNQCGRAFSQLAP
 LIQHQRHTHTGEKPYECNQCGRAFSQSLLIEHQRHTHTGEKPYGCNECGKSF SHSSLSQHERHTHTGEKPY
 ECHDCGKSFQSTHLTQHRRHTHTGEKPYACRDCGKAFTHSSSLTKHQRTHTG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



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](#)

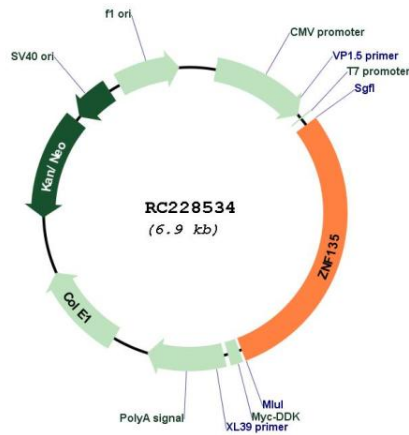
Cytogenetics: 19q13.43

Protein Families: Transcription Factors

MW: 78.2 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 RC228534