

## Product datasheet for **RC202999**

### ZNF 559 (ZNF559) (NM\_032497) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF 559 (ZNF559) (NM_032497) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF 559
Synonyms:	NBLA00121
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC202999 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGCTGGGTGGTTGACAAATTACTCTCAGGACTCAGTGACCTTTGAGGATGTGGCTGTGGACTTCA  
 CCCAGGAGGAGTGGACTTTGCTGGATCAAACCTCAGAGAACTTATACAGAGATGTGATGCTGGAGA  
 TAAGAATCTAGTTGCACTAGATTGGGAGAGTCATATTAATACCAATGGTCAGCACCTCAGCAGAATTTT  
 TTGAGGGGAAAACATCCAGTGTGGTGGAAATGGAGAGAAACATTTTGGAGAGGAACTGTTTACTTTA  
 ACCAATGTGAAAAGCCTTGAGTGAACACTCATGCCTTAAGACTCACAGGAGA  
 AACCTGTGAGTGAATCAATGTGAAAAGCCTTCAGAAAACCTCTATCTTTACTTTACACAAGAAA  
 GATATCGGAGAGGAACTCCTAACTGTAATCAATGTGAAACAGCCTTCAGCCAACATCTACATCTGTTT  
 GCAAGAAAAGTACCCAAAATCTACATCTGTTTGAAGAAAACCTCACACTCAAGAGAAACCATATAAATG  
 CAGTGACTGTGAAAAGGCTTACCTTCTCCTCACACCTCAGAGAATGTGTAAGAATTTATGGTGGAGAG  
 AGACCATATACTCATAAGGAGTATGTCGAAACCTTTTCTCATTCTACAGCCCTTTTGTACACATGCAAA  
 CTCAAGATGGAGAAAATTTCTATGAATGTAAGCATGTGGGAAACCCCTTCACTGAGTCGTCATATCTTAC  
 TCAACATTTAAGAACTCATAAGTAGAGTGTACCTATAGAACATAAGAAATTTGGCAAAGCCTTTGCTTTT  
 TCCCAGATCTTGCTAAACATATAAGACTTAGAACTAGAGGAAAACACTATGTTTGTAAATGTAATGGCA  
 AAGAATTTACTTGTCTCAAACTCAACATTCACATAAGGGTTCACACTGGAGAAAACCGTATGAGTG  
 CAACAAATGTGGGAAAGCCTTCACTGATTCATCAGGTCTTATAAAACACAGGCGAACTCACACTGGAGAA  
 AAGCCTTATGAATGTAAGGAATGTGGGAAAGCCTTTGCTAACTTTCACATCTTACTGTACATATGAGAA  
 CTCACACTGGTGAAGCCTTATCAATGTAAGGAATGTGGAAAAGCCTTTATTAATTCCTCTTCTTTAA  
 AAGTCACATGCAGACTCATCTGGTGTAAAACCTATGACTGTCAACAGTGTGGGAAAGCCTTCATTCTGA  
 TCCTCATTCTTATTTCGACATTTGAGAAGTACAGTGCAGAAAAGCCTTTTGAATGTGAGGAATGTGGGA  
 AAGCCTTTAGATACTCCTCGCACCTTAGTCAACATAAAAAGAATACATACAGGGGAGAGGCCATATAAATG  
 TCAAAAGTGTGGCAAGCCTTCACTATCTCATCAGGCCTTACAGTACACATGAGAACTCACACTGGTGAA  
 CGGCCCTTGAATGTGAGGAATGTGGGAAAGCCTTACTCGGTCCACATATCTTATTTCGACATCTAAGAA  
 GTCATAGTGTGGAGAAACCATATAAGGAATGTGGGCAACCTTTAGTAATTCCTCATGCCTTACTGAATG  
 TGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC202999 protein sequence  
 Red=Cloning site Green=Tags(s)

MVAGWLTNYSQDSVTFEDVAVDFQEEWLLDQTORNL YRDVMLENYKNLVAVDWESHINTKWSAPQQNF  
 LQGKTSVVEMERNHFGEELDFNQCEKALSEHSCLKTHRRTYFRKKTCECNQCEKAFRKPISIFTLHKKT  
 DIGEELPNCNQCEAFSQHLHLVCKKTSQNLHLVCKKTHTQEKPYKCSDEKGLPSSSHLRECVRIYGG  
 RPYTHKEYVETFSHALFVHMQTQDGEKFYECKACGKPFTESSYLQHLRTHSRVLP I EHKKFGKAF  
 SPDLAKHIRLRTRGKHYVCNECGKEFTCFSKLNIHVRVHTGEKPYECNKCGKAFDSSGLIKHRRHTG  
 KPYECKECGKAFANSSHLTVHMRHTGKPYQCKEKGKAFINSSSFKSHMQTHPGVKPYDCQCGKAFIR  
 SSFLIRHLRSHSAERPFEECECGKAFRYSHLSQHKRIHTGERPYKQKCGQAFSISGLTVHMRHTG  
 RPFECQECGKAFTRSTYLIRHLRSHSVEKPYKECGQTFSSSCLTECV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6579\\_d07.zip](https://cdn.origene.com/chromatograms/mk6579_d07.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**ACCN:** NM\_032497

**ORF Size:** 1614 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\\_032497.2](#)
**RefSeq Size:** 3072 bp

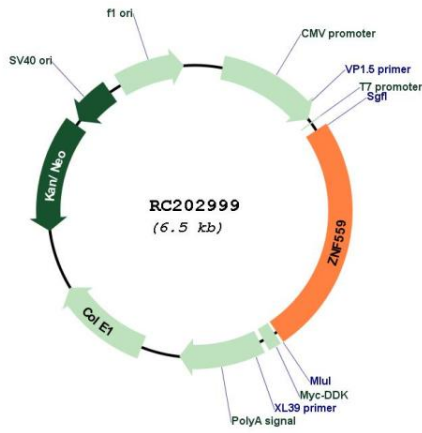
**RefSeq ORF:** 1617 bp

**Locus ID:** 84527

**UniProt ID:** [Q9BR84](#)

**Cytogenetics:** 19p13.2  
**Domains:** KRAB, zf-C2H2  
**Protein Families:** Transcription Factors  
**MW:** 62.3 kDa  
**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC202999