

## Product datasheet for **RG202999**

### 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:	TurboGFP
Symbol:	ZNF 559
Synonyms:	NBLA00121
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG202999 representing NM\_032497  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGCTGGGTGGTTGACAAATTACTCTCAGGACTCAGTGACCTTTGAGGATGTGGCTGTGGACTTCA  
 CCCAGGAGGAGTGGACTTTGCTGGATCAAACCTCAGAGAAACTTATACAGAGATGTGATGCTGGAGA  
 TAAGAATCTAGTTGCAGTAGATTGGGAGAGTCATATTAATACCAATGGTCAGCACCTCAGCAGAATTTT  
 TTGCAGGGGAAAACATCCAGTGTGGTGGAAATGGAGAGAAACATTTTGGAGAGGAACTGTTTACTTTA  
 ACCAATGTGAAAAAGCCTTGAGTGAACACTCATGCCTTAAGACTCACAGGAGAACTACTTTAGAAAGAA  
 AACCTGTGAGTGAATCAATGTGAAAAAGCCTTCAGAAAACCTCTATCTTTACTTTACACAAGAAA  
 GATATCGGAGAGGAACTCCTAACTGTAATCAATGTGAAACAGCCTTCAGCCAACATCTACATCTGTTT  
 GCAAGAAAAGTACCCAAAATCTACATCTTGTGTTGCAAGAAAAGTACACTCAAGAGAAACCATATAAATG  
 CAGTGACTGTGAAAAAGCCTTACCTTCTCCTCACACCTCAGAGAATGTGTAAGAATTTATGGTGGAGAG  
 AGACCATATACTCATAAGGAGTATGTCGAAACCTTTTCTCATTCTACAGCCCTTTTGTACACATGCAAA  
 CTCAAGATGGAGAAAAATCTATGAATGTAAGCATGTGGGAAACCTTCACTGAGTCGTCATATCTTAC  
 TCAACATTTAAGAACTCATAAGTAGAGTGTACCTATAGAACATAAGAAATTTGGCAAAGCCTTTGCTTTT  
 TCCCAGATCTTGCTAAACATATAAGACTTAGAACTAGAGGAAAACACTATGTTTGTAAATGAATGTGGCA  
 AAGAATTTACTTGTCTCAAACTCAACATTCACATAAGGGTTCACACTGGAGAAAAACCGTATGAGTG  
 CAACAAATGTGGGAAAGCCTTCACTGATTCATCAGGTCTTATAAAACACAGGCGAACTCACACTGGAGAA  
 AAGCCTTATGAATGTAAGGAATGTGGGAAAGCCTTTGCTAACTTTCACATCTTACTGTACATAGAGAA  
 CTCACACTGGTGAAGCCTTATCAATGTAAGGAATGTGGGAAAGCCTTTATTAATTCCTCTTCCTTAA  
 AAGTCACATGCAGACTCATCCTGGTGTAAAACCTATGACTGTCAACAGTGTGGGAAAGCCTTCATTCTGA  
 TCCTCATTCTTATTTCGACATTTGAGAAGTACAGTGCAGAAAGCCTTTTGAATGTGAGGAATGTGGGA  
 AAGCCTTTAGATACTCCTCGCACCTTAGTCAACATAAAAAGAATACATACAGGGGAGAGGCCATATAAATG  
 TCAAAAGTGTGGCAAGCCTTCACTATCTCATCAGGCCTTACAGTACACATGAGAACTCACACTGGTGAA  
 CGGCCCTTGAATGTGAGGAATGTGGGAAAGCCTTACTCGGTCCACATATCTTATTTCGACATCTAAGAA  
 GTCATAGTGTGGAGAAACCATATAAGGAATGTGGGCAACCTTTAGTAATTCCTCATGCCTTACTGAATG  
 TGTG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG202999 representing NM\_032497  
 Red=Cloning site Green=Tags(s)

MVAGWLTNYSQDSVTFEDVAVDFTEQEWTLLDQTRNL YRDVMLENYKNLVAVDWESHINTKWSAPQQNF  
 LQGKTSVVEMERNHFGEELDFNQCEKALSEHSCLKTHRRTYFRKKTCECNQCEKAFRKPISIFTLHKKT  
 DIGEELPNCNQCEAFSQHLHLVCKKTSQNLHLVCKKTHTEKPKYKSDCEKGLPSSSHLRECVRIYGG  
 RPYTHKEYVETFSHSTALFVHMQTQDGEKFYECKACGKPFTESSYLQHLRTHSRVLPVIEHKKFGKAF  
 SPDLAKHIRLRTRGKHVYVCEGKEFTCFSKLNIHVRVHTGKPYECNKCGKAFDSSGLIKHRRHTG  
 KPYECKECGKAFANSSHLTVHMRHTGKPYQCKEKGKAFINSSSFKSHMQTHPGVKPYDCQCGKAFIR  
 SSFLIRHLRSHSAERPFECECGKAFRYSSHLQHKRIHTGERPKYKQKCGQAFSISGLTVHMRHTG  
 RPFECQECGKAFTRSTYLIRHLRSHSVEKPYKECGQTFSSSCLTECV

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-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:** 3059 bp

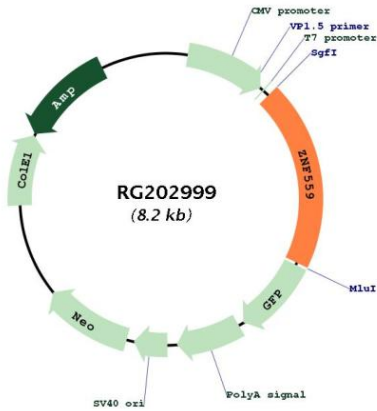
**RefSeq ORF:** 1617 bp

**Locus ID:** 84527

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

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

**Product images:**



Circular map for RG202999