

## Product datasheet for **RG234286**

### ZNF 559 (ZNF559) (NM\_001202407) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF 559 (ZNF559) (NM_001202407) 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:**

>RG234286 representing NM\_001202407  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGAGAACTATAAGAATCTAGTTGCAGTAGATTGGGAGAGTCATATTAATACCAAATGGTCAGCAC  
 CTCAGCAGAATTTTTGTCAGGGGAAAACATCCAGTGTGGTGGAAATGGAGAGAAACCATTTTGGAGAGGA  
 ACTGTTTGACTTTAACCAATGTGAAAAAGCCTTGAGTGAACACTCATGCCTTAAGACTCACAGGAGAACT  
 TACTTTAGAAAAGAAAACCTGTGAGTGAATCAATGTGAAAAAGCCTTCAGAAAACCTCTATCTTTACTT  
 TACACAAGAAAACCTGATATCGGAGAGGAACTTCCTAACTGTAATCAATGTGAAACAGCCTTCAGCCAACA  
 TCTACATCTTGTTTGAAGAAAACCTAGCCAAAATCTACATCTTGTTTGAAGAAAACCTCACACTCAAGAG  
 AAACCATATAAATGCAGTACTGTGAAAAAGCCTTACCTTCCTCCTCACACCTCAGAGAATGTGTAAGAA  
 TTTATGGTGGAGAGACCATATACTCATAAGGAGTATGTCGAAACCTTTTCTCATTCTACAGCCCTTTT  
 TGTACACATGCAAACTCAAGATGGAGAAAAATTCTATGAATGTAAGCATGTGGGAAACCTTCACTGAG  
 TCGTCATATCTTACTCAACATTTAAGAACTCATAGTAGAGTGTTACCTATAGAACATAAGAAATTTGGCA  
 AAGCCTTTGCTTTTTCCCGAGTCTTGCTAAACATATAAGACTTAGAACTAGAGGAAAACACTATGTTTG  
 TAATGAATGTGGCAAAGAATTTACTTGTCTCAAACCTCAACATTCACATAAGGGTTTACACTGGAGAA  
 AAACCGTATGAGTGAACAAATGTGGGAAAAGCCTTCACTGATTTCATCAGGTCTTATAAAACACAGGCGAA  
 CTCACACTGGAGAAAAGCCTTATGAATGTAAGGAATGTGGGAAAGCTTTTGCTAACTCTTCACATCTTAC  
 TGTACATATGAGAACTCACACTGGTGAAGCCTTATCAATGTAAGGAATGTGGAAAAGCCTTTATTAAT  
 TCCTCTTCCTTTAAAAGTCACATGCAGACTCATCCTGGTGTAAAACCTATGACTGTCAACAGTGTGGGA  
 AAGCCTTCACTCGATCCTCATTTCTTATTCGACATTTGAGAAGTACAGTGCAGAAAAGCCTTTTGAAATG  
 TGAGGAATGTGGGAAAGCCTTTAGATACTCCTCGCACCTTAGTCAACATAAAAAGAATACATACAGGGGAG  
 AGGCCATATAAATGTCAAAGTGTGGGCAAGCCTTCAGTATCTCATCAGGCCTTACAGTACACATGAGAA  
 CTCACACTGGTGAACGGCCCTTTGAATGTGAGGAATGTGGGAAAGCCTTACTCGGTCCACATATCTTAT  
 TCGACATCTAAGAAGTCATAGTGTGGAGAAACATATAAGGAATGTGGGCAAAACCTTTAGTAATTCCTCA  
 TGCCTTACTGAATGTGTG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG234286 representing NM\_001202407  
 Red=Cloning site Green=Tags(s)

MLENYKNLVAVDWESHINTKWSAPQQNFLQKTSVVEMERNHFGEELDFNQCEKALSEHSLCKTHRR  
 YFRKKTCECNQCEKAFRKPSIFTLHKKTDIGEELPNCNQCEAFSQLHLVCKKTSQNLHLVCKKTHHTQE  
 KPYKSDCEKGLPSSSHLRECVRIYGGERPYPYTHKEYVETFSHSTALFVHMQTQDGEKFYECKACGKPFTE  
 SSYLTQHLRTHSRVLPPIEHKKFGKAFSPDLAKHIRLRTRGKHVYVNECGKEFTCFSKLNIHVRHTGE  
 KPYECNKGKAFDSSGLIKHRRHTGKPYECKEKGKAFANSSHLTVHMRHTGKPYQCKEKGKAFIN  
 SSSFKSHMQTHPGVKPYDCQCGKAFIRSSFLIRHLRSHAERPFECECKGAFRYSSHLQHKRIHTGE  
 RPYKQKCGQAFSISGLTVHMRHTGERPFECQEGKAFTRSTYLIRHLRSHSVEKPYKECGQTFSSNS  
 CLTECV

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001202407

**ORF Size:** 1488 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\\_001202407.2](#)

**RefSeq Size:** 3019 bp

**RefSeq ORF:** 1491 bp

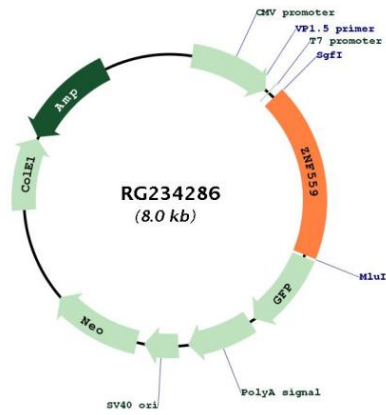
**Locus ID:** 84527

**Cytogenetics:** 19p13.2

**Protein Families:** Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234286