

## Product datasheet for **RG239121**

### **ZNF539 (ZNF254) (NM\_001278677) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ZNF539 (ZNF254) (NM_001278677) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF539
Synonyms:	BMZF-5; HD-ZNF1; ZNF91L; ZNF539
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239121 representing NM\_001278677.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTTAGAGAACTACAGAAACCTGGCCTTCCTGGGTATTGCTGTCTCTAAGCCAGACCTGATCACCTGT
CTGGAACAAGGGAAAGAGCCCTGGAATATGAAGCGACATGAGATGGTGGATGAACCCCCAGGTATGTGT
CCTCATTTTGTCAAGACCTTTGGCCAGAGCAGGGCATGGAAGATTCTTTTCAAAAAGCAATACTGAGA
AGATATGGAAAATATGGACATGAGAATTTACAGTTAAGAAAAGGCTGTAAGAGTGTGGATGAGTATAAG
GTGAACAAAGAAGGTTATAATGGACTTAACCAAGTGTTCACAACCTGCCAGAGCAAAGTATTTCAATGT
GATAAATATTTGAAAGTCTTCTATAAATTTTAAATTCAAACAGACCTAAGATAAGACATACTGAAAAG
AAATCTTCAAATGTAAAAACGTGTCAAATTATTTGCATGCTTTCACATAAAACCCAACAAAAAGC
ATTTATCATAGAGAGAAGTCTACAAATGTAAGAATGTGAAAAACCTTAATTGGTCTCAACCCCTT
ACTAATCATAGGAAAATTTATACTGAAGAGAAACCTTACAAATGTGAAGAATAAACAATCTCCTAAG
CAACTCTCAACCCCTTACTACACATGAAATAATTCATGCTGGAGAGAACTCTACAAATGTGAAGAATGT
GGTGAAGCTTTAATCGATCCTCAAATCTTACTACACATAAGATAATTCATACTGGAGAGAAACCTTAC
AAGTGTGAAGAATGTGGCAAAGCATTATCTGGTCTCAACCCCTTACTGAGCATAAGAAAATTCATACT
AGAAAAGAAACCTACAAGTGTGAAGAATGTGGCAAAGCATTATATGGTCTCAACCTAAGTACAT
AAGAGGATGCACACTGGAGAGAAACCTACAAATGTGAAGAATGTGGCAAAGCTTTAGCCAGTCTCA
ACCCTTACTACACATAAGATAATTCATACTGGAGAGAAACCTACAAATGCTTAGAATGTGGCAAAGCT
TTAAGCAACTCTCAACTCTTACTACACATAAAATAATTCATGTTGGAGAGAACTCTACAAATGTGAA
GAATGCGGCAAAGGTTTTAATCGATCTTCAAATCTTACTACACATAAGATAATTCATACTGGAGAGAAA
CCTTACAAGTGTGAAGAATGTGGCAAAGCATTATCTGGTCTCAACCCCTTACTAAACATAAGAGAATT
CATACTAGAGAGAAACCTACAAATGTGAAGAATGTGGCAAAGCATTATATGGTCTCAACCCCTA
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TCCTCAACCCCTTACTACACATAAGATAATTCATACTGGAGAGAAACCTACAAATGTGAAGAATGTGGC
AAAGCCTTTAAGTGGTCTCAACTCTTACTAAACATAAGATAATTCATACTGAAGAGAAACCTACAAA
TGTGAAAATGTGGCAAAGCCTTAAGCAGTCTTCAATCCTTACTAACCATAGAGAATTCATACTGGA
GAGAAACCTATAAATGTGAAGAATGTGGCAAATCTTTAACCGTCTTCAACTTTTACTAACATAAG
GTAATTCATACTGGAGTAAAACCTACAAATGTGAAGAATGTGGCAAAGCATTTTCTGGTCTCAACC
CTAACTAACATAAGAGAATTCATACTGGAGAGCAACCCCTACAAATGGGAAAAATTTGGCAAAGCCTTT
AATCGGTCTCGCACCTACCACAGATAAGATAACTCATTGGAGAGAAATCTTACAAGTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG239121  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MLENYRNLAFGLIAVSKPDLITCLEQGKEPWNMKRHEMVDPEPPGMCPHF AQDLWPEQGMEDSFQKAILR
RYGKYGHENLQLRKGCKSVDEYKVNKEGYNGLNQCF TTAQSKVFQCDKYLVFYKFLNSNRPKIRHTEK
KSFKCKKRVKLF CMLSHKTQHKSIYHREKSYKCKEKGTFNWSSTLTNHRKIYTEEKPYKCEEYKSPK
QLSTLTTHETIIHAGEKLYKCEECEGAFNRSSNL TTHKIIHTGEKPYKCEECEGKAFIWSSTL TEHKKIHT
RKKPYKCEECEGKAFIWSSTL TRHKRMHTGEKPYKCEECEGKAFS QSSTLTTHKIIHTGEKRYKCECGKA
FKQLSTLTTHKIIHVGEKLYKCEECEGKFNRRSSNL TTHKIIHTGEKPYKCEECEGKAFIWSSTL TKHKRI
HTREKPYKCEECEGKAFIWSSTL TRHKRMHTGEKPYKCEECEGKSF QSSTLTTHKIIHTGEKPYKCEECEG
KAFNWSSTLTKHKIIHTEEKPYKCEKCGKAFKQSSILT NHKRIHTGEKPYKCEECEGKSFNRSSTFTKHK
VIHTGVKPYKCEECEGKAFFWSSTLTKHKRIHTGEQPYKWEKFGKAFNRSSHLTDDKITHWREILQV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

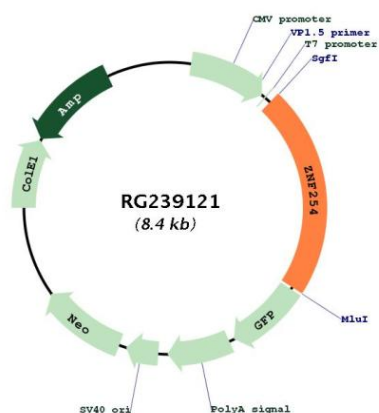
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


- ACCN:** NM\_001278677
- ORF Size:** 1854 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).
- RefSeq:** [NM\\_001278677.2](#)
- RefSeq Size:** 4334 bp
- RefSeq ORF:** 1857 bp
- Locus ID:** 9534
- Cytogenetics:** 19p12
- Protein Families:** Transcription Factors
- MW:** 72.8 kDa
- Gene Summary:** Zinc finger proteins have been shown to interact with nucleic acids and to have diverse functions. The zinc finger domain is a conserved amino acid sequence motif containing 2 specifically positioned cysteines and 2 histidines that are involved in coordinating zinc. Kruppel-related proteins form 1 family of zinc finger proteins. See ZFP93 (MIM 604749) for additional information on zinc finger proteins.[supplied by OMIM, Jul 2002]

Product images:



Circular map for RG239121