

## Product datasheet for **RG238949**

### ZNF539 (ZNF254) (NM\_001278663) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF539 (ZNF254) (NM_001278663) 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:**

>RG238949 representing NM\_001278663.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTGTCCTCATTTTCTCAAGACCTTTGGCCAGAGCAGGGCATGGAAGATTCTTTTCAAAAAGCAATA
CTGAGAAGATATGAAAAATATGGACATGAGAATTTACAGTTAAGAAAAGGCTGTAAAAGTGTGGATGAG
TATAAGGTGAACAAAGAAGTTATAATGGACTTAACCAAGTGTTCACAACGCCCAGAGCAAAGTATTT
CAATGTGATAAATATTTGAAAGTCTTCTATAAATTTTTAAATTCAAACAGACCTAAGATAAGACATACT
GAAAAGAAATCTTTCAAATGTAAAAACGTGTCAAATTATTTGCATGCTTTCACATAAAACCCAACAC
AAAAGCATTTATCATAGAGAGAAGTCTACAAATGTAAAGAATGTGAAAAACCTTTAATTGGTCTCA
ACCCTTACTAATCATAGGAAAATTTATACTGAAGAGAAACCTTACAAATGTGAAGAATAAACAAATCT
CCTAAGCAACTCTCAACCCTTACTACACATGAAATAATTCATGCTGGAGAGAACTCTACAAATGTGAA
GAATGTGGTGAAGCTTTTAAATCGATCCTCAAATCTTACTACACATAAGATAATTCATACTGGAGAGAAA
CCTTACAAGTGTGAAGAATGTGGCAAAGCATTATCTGGTCTCAACCCTTACTGAGCATAAGAAAATT
CATACTAGAAAGAAACCCCTACAAGTGTGAAGAATGTGGCAAAGCATTATATGGTCTCAACACTAACT
AGACATAAGAGGATGCACACTGGAGAGAAACCCCTACAAATGTGAAGAATGTGGCAAAGCTTTTAGCCAG
TCCTCAACCCTTACTACACATAAGATAATTCATACTGGAGAGAAACGCTACAAATGCTTAGAATGTGGC
AAAGCTTTTAAGCAACTCTCAACTCTTACTACACATAAAATAATTCATGTTGGAGAGAACTCTACAAA
TGTGAAGAATGCGGCAAAGGTTTAAATCGATCTTCAAATCTTACTACACATAAGATAATTCATACTGGA
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CTAATAGACATAAGAGGATGCACACTGGAGAGAAACCCCTACAAATGTGAAGAATGTGGCAAATCTTTT
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TACAAATGTGAAAAATGTGGCAAAGCCTTTAAGCAGTCTTCAATCCTTACTAACCATAAGAGAATTCAT
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CATAAGGTAATTCATACTGGAGTAAAACCCCTACAAATGTGAAGAATGTGGCAAAGCATTTTTCTGGTCC
TCAACCCTAACTAAACATAAGAGAATTCATACTGGAGAGCAACCCCTACAAATGGGAAAAATTTGGCAA
GCCTTTAATCGGTCTCGCACCTCACCACAGATAAGATAACTCATTGGAGAGAAATCTTACAAGTA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238949  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MCPHFAQDLWPEQMEDSFQKAILRRYKYGHENLQLRKGCKSVDEYKVNKEGYNGLNQCFTTAQSKVF
QCDKYLKVFYKFLNSNRPKIRHTEKKSFKCKRVKLCMLSHKTQHKSIYHREKSYKCKEKGKTFNWSS
TLTNHRKIYTEEKPYKCEEYKNSPKQLSTLTTHETI IHAGEKLYKCEECGEAFNRSSNLTHKIIHTGK
PYKCEECKAFIWSSTLTEHKIHRKPKPYKCEECKAFIWSSTLTRHKRMHTGEKPYKCEECKAFSQ
SSTLTTHKIIHTGEKRYKCLEGKAFKQLSTLTTHKIIHVGEKLYKCEECGKGFNRSSNLTHKIIHTG
EKPYKCEECKAFIWSSTLTCHKRIHTREKPYKCEECKAFIWSSTLTRHKRMHTGEKPYKCEECKGKSF
SQSSTLTTHKIIHTGEKPYKCEECKAFNWSSTLTCHKIIHTEEKPYKCEKCGKAFKQSSILTNHKRIH
TGEKPYKCEECKSFNRSSFTTKHKVIHTGVKPYKCEECKAFFWSSTLTCHKRIHTGEQPYKWEKFGK
AFNRSSHLTTDKITHWREILQV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

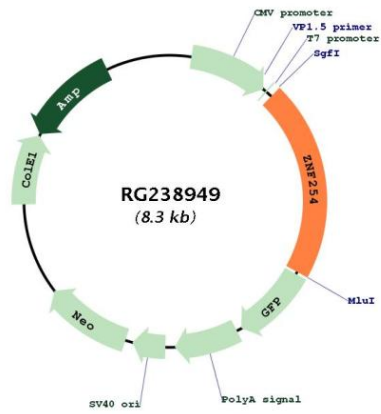
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


- ACCN:** NM\_001278663
- ORF Size:** 1722 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\\_001278663.2](#)
- RefSeq Size:** 4039 bp
- RefSeq ORF:** 1725 bp
- Locus ID:** 9534
- Cytogenetics:** 19p12
- Protein Families:** Transcription Factors
- MW:** 67.8 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 RG238949