

## Product datasheet for **RG239068**

### ZNF143 (NM\_001282657) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF143 (NM_001282657) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF143
Synonyms:	pHZ-1; SBF; STAF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239068 representing NM\_001282657.  
 Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**  
 ATGTTGTTAGCCCAAATAAATCGAGATTCTCAGGAATGACAGAGTTTCTGGAGGAGGGATGGAGGCC  
 CAACATGTTACGCTGTGCTTGACAGAGGCAGTCACCGTGCAGATGCAAACTCATAGATGGCCAGGTC  
 ATTCAGTTGGAAGATGGTTCTGCGGCCTATGTTCAACATGTACCCATACCTAAAAGTACAGGGGACAGT  
 TTGCGTCTAGAGGATGGTCAAGCAGTACAGTTAGAAGATGGTACCACAGCATTTATTCACCACACCTCC  
 AAAGATAGTTATGACCAGAGTGCATTACAGCGGTTACAGTGGAAAGATGGTACCACAGCTTATATCCAC  
 CATGCAGTGCAAGTCCCGCAGTCTGACACCATCTTGGCAATTCAGGCTGATGGGACAGTGGCAGGCTG  
 CACACTGGGGATGCTACAATTGACCCTGACACCATCAGTGCTTTGGAACAGTATGCAGCAAAGGTGTCC  
 ATTGATGGAAGTAAAAGTGTAGCAGGACTGGAATGATTGGAGAAAATGAGCAAGAGAAAAAATGCAG  
 ATGTTTTACAAGGACATGCTACAAGAGTAACTGCTAAATCTCAACAGAGTGGAGAGAAGGCATTTGCA  
 TGTGAATATGATGGATGTGAAAATTATATACAACAGCTCATCATCTCAAGGTCCATGAGAGGTCACAC  
 ACAGGAGATCGGCCTTATCAGTGTGAGCATGCAGGCTGTGGGAAGGCATTTGCAACAGGTTATGGATTA  
 AAAAGTACGTCAGAACTCATAACAGGAGAAAAGCCATATCGGTGTTTCGGAAGATAATTGTTACTAAATCT  
 TTCAAACCTTCAGGAGATCTACAGAAACACATCAGAACTCATAACAGGAGAAAAGGCCCTTTAAGTGTCCC  
 TTCGAAGGCTGCGGTCGGTCTTTACAACATCAAATATCAGAAAAGTGCACGTTAGGACACACACAGGA  
 GAAAGACCTTATTACTGCACAGAGCCAGGATGTGGGAGGGCATTGGCCAGTGAACAAAATATAAAAAAC  
 CATGTGAGGATACACACAGGAGAAAAGCCATATGTTTGTACAGTTCCTGGGTGTGACAAAAGGTTTACA  
 GAATATCCAGTTTGTACAACATCATGTTGTCCACACTATTCCAAACCTTACAACGTAAACCATGT  
 GGAAGACATACAAGCAGATCTCCAGCTGGCCATGCACAAACGGACAGCCACAACGACTAGGCC  
 ATCGAGGAGGAGCAGGAAGCCTTCTTTGAGCCGCCCCAGGTCAAGGTGAAGATGTTCTTAAAGGTTCC  
 CAGATTACGTATGTTACAGGTGTAGAAGGGACGACGTTGTTTCTACACAAGTAGCCACAGTAACCCAA  
 TCTGGACTGAGTCAACAAGTTACTACTCATATCCCAGGATGGGACTCAGCATGTCAACATATCTCAAGCT  
 GACATGCAGGCCATTGGCAACACCATCACAATGGTAACGCAGGATGGCACGCCCATCACAGTCCCGGCC  
 CATGATGCAGTCTCCTCAGCAGGAACGCACTCTGTTGCTATGGTTACTGCTGAGGGTACAGAAGGG  
 GAACAGGTTGCAATTGTAGCTCAAGACTTGGCAGCATTCCATACTGCCTCATCAGAAATGGGGCACCAG  
 CAGCATAGCCATCACTTAGTAACCACAGAAACCAGACCTCTGACCTTAGTAGCAACATCCAATGGCACC  
 CAGATTGCAGTTCAGCTTGAGAACAGCCATCTCTGGAAGAAGCCATCAGAAATAGCGTCTAGAATCCAA  
 CAAGGAGAAACGCCAGGGTTGGATGAT  
**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

**Protein Sequence:**

>Peptide sequence encoded by RG239068  
 Blue=ORF Red=Cloning site Green=Tag(s)

MLLAQINRDSQGMTEFPGGGMEAQHVTLCLTEAVTVADAKLIDGQVIQLEDGSAAYVQHVPIPKSTGDS  
 LRLEDGQAVQLEDGTTAFIHHTSKDSYDQALQAVQLEDGTTAYIHHAVQVPQSDTILAIQADGTVAGL  
 HTGDATIDPDTISALEQYAAKVSIDGSESVAGTGMIGENEQEKKMQIVLQGHATRVTAQSQSGEKA  
 CEYDGGCKLYTTAHLKLVHERSHTGDRPYQCEHAGCGKAFATGYGLKSHVRTHTGEKPYRCS  
 EDNCTKSFKTSGDLQKHIRTHTGERPFKCFEGGGRSFTTSNIRKVVHRTHTGERPYYCTEPG  
 CGRAFASATNYKNHVRIHTGEKPYVCTVPGCDKRFTEYSSLYKHHVVHTHSKPYNCHGKTYKQI  
 STLAMHKRTAHNDTEPIEEEQEAFFPPPGQGEDVLRKGSQITYVTGVEGDDVVSTQVATVTQ  
 SGLSQQVTLISQDGTQHVNISQADMQAIGNTITMVTQDGPITVPAHDAVISAGTHSVAMVTAEGTE  
 GEQVAIVAQDLAAFHTASSEMGHQ QHSHHLVTTETRPLTLVATSNGTQIAVQLGEQPSLEE  
 AIRIASRIQQGETPGLDD  
**TR**TRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGT  
 GFPEDSVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001282657

**ORF Size:** 1821 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\\_001282657.1](#), [NP\\_001269586.1](#)

**RefSeq Size:** 2870 bp

**RefSeq ORF:** 1824 bp

**Locus ID:** 7702

**UniProt ID:** [P52747](#)

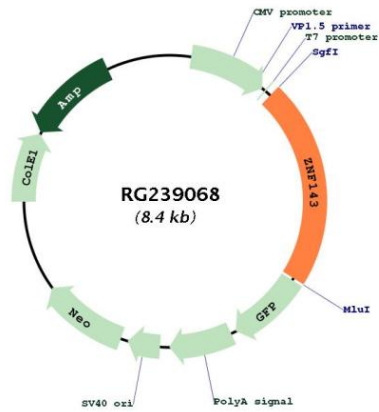
**Cytogenetics:** 11p15.4

**Protein Families:** Transcription Factors

**MW:** 66.1 kDa

**Gene Summary:** Transcriptional activator. Activates the gene for selenocysteine tRNA (tRNA<sup>Sec</sup>). Binds to the SPH motif of small nuclear RNA (snRNA) gene promoters. Participates in efficient U6 RNA polymerase III transcription via its interaction with CHD8.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG239068