

## Product datasheet for **RG225838**

### ZNF83 (NM\_001105554) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF83 (NM_001105554) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF83
Synonyms:	HPF1; ZNF816B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG225838 representing NM\_001105554  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCATGGGAGAAAGGATGATGCACAAAAGCAGCCTGTTAAAAATCAGCTTGGATTAACCCGCGAGTCAC  
 ATCTACCAGAAGCTGCAGCTATTTCAAGCTGAAGGGAAAAATATATAAATATGATCAGTGGAAAAATCTGT  
 CAACAGTAGTTTCCTTAGTTTCCCCACCCCAACGATTTTCTTCTACTGTCAAACCCACATTTCTCATACA  
 TATGAATGTAATTTGTGGATTCATTATTCACACAAAAAGAGAAAAGCAAATATTGGGACAGAACTACTACA  
 AATGTAGTGAGCGTGGCAAGGCCTTTCATCAAGGCTTACATTTTACTATACATCAAATAATCCATACTAA  
 AGAGACGCAATTTAAATGTGATATATGTGGCAAGATCTTCAATAAAAAATCAAACCTTGCAAGTCATCAA  
 AGAATTCATACTGGAGAGAAGCCATATAAATGTAATGAATGTGGCAAGGTCTTCCATAATATGTCACACC  
 TTGCACAGCATCGCAGGATTCATACTGGAGAGAAACCATATAAATGTAATGAATGTGGCAAGGTCTTTAA  
 TCAAATTTACACCTTGACAACATCAAAGAATTCATACCGGAGAGAAACCTTATAAATGTAATGAATGT  
 GGAAAGGTCTTCCATCAAATTTACACCTTGACAACATCGGACAATTCATACTGGAGAAAAACCTTACG  
 AATGTAACAAATGTGGCAAGGTGTTCACTCGCAATTCCTACCTTGTACAACATCTGATCATTCTACTGG  
 AGAGAAACCTTACAGATGTAATGTATGTGGAAAGGTCTTCACTACAAGTCATCCCTAGTAAATCACTGG  
 AGAATTCATACTGGAGAGAAACCTTACAATGTAATGAGTGTGGCAAGGTCTTCACTACAAGTCATCCC  
 TAGTAAATCACTGGAGAAATCCACACTGGAGAGAAACCTTACAATGTAATGAATGTGGCAAGGTCTTCA  
 TCGCAATTCATACCTTGCCCAACATCTGATAATTCATGCCGGTGAGAAACCTTATAAGTGTGATGAATGT  
 GACAAAGCATTTCAGTCAAATTCACATCTTGTACAACATCACAGAATCCATACTGGAGAGAAACCTTACA  
 AATGTGATGAATGTGGCAAGGTCTTCACTACAATTCATACCTTGCATATCATTGGAGAAATTCATACTGG  
 AGAAAAAGCTTATAAATGTAATGAATGTGGAAAGGTCTTCCGGTCTAAACTCATCCCTAGCACATCATCGG  
 AAAATTCACACTGGAGAGAAACCTTTCAAATGTAATGAATGTGGCAAGGTCTTTAGTATGCGTTCAAGCC  
 TCACTAATCATCATGCGATCCACACTGGAGAGAAACATTTCAAATGTAATGAATGTGGCAAACTCTTCCG  
 CGACAATTCATATCTTGTACGTCATCAGAGATTCATGCCGAAAGAAATCTAACACATGTAAT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG225838 representing NM\_001105554  
 Red=Cloning site Green=Tags(s)

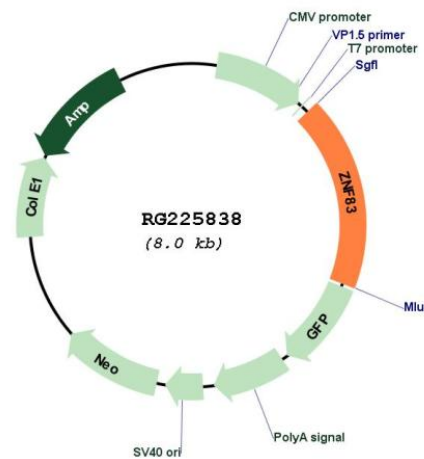
MHGRKDDAQKQPVKQLGLNPQSHLPELQLFQAEKIKYDHEKSVNSSSLVSPQRISSVTKTHISHT  
 YECNFVDSLFTQKEKANIETHEYKCSERKAFHQGLHFTIHQIIHTKETQFKCDICGKIFNKKSNLASHQ  
 RIHTGEKPYKCNECGKVFHNMSHLAQHRIHTGEKPYKCNECGKVFNQISHLAQHRIHTGEKPYKCNEC  
 GKVFHQISHLAQHRIHTGEKPYECNKCGKVF SRNSYL VQH LIHTGEKPYRCNVCGKVF SHKSSLVNHW  
 RIHTGEKPYKCNECGKVF SHKSSLVNHWRIHTGEKPYKCNECGKVF SRNSYLAQH LIHAGEKPYKCDEC  
 DKAFSQNSHLVQHRIHTGEKPYKCDECGKVF SQNSYLAYHWRIHTGEKAYKCNECGKVFGLNSSLAHHR  
 KIHTGEKPFKCNECGKAF SMRSSLTNHHAHTGEKHFKCNECGKLF RDNSYLVRHQRFHAGKKSNTCN

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001105554

**ORF Size:** 1464 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\\_001105554.1](#), [NP\\_001099024.1](#)

**RefSeq Size:** 2538 bp

**RefSeq ORF:** 1466 bp

**Locus ID:** 55769

**Cytogenetics:** 19q13.41

**Protein Families:** Transcription Factors

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