

## Product datasheet for **RG225885**

### **ZNF83 (NM\_001105549) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ZNF83 (NM_001105549) 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:**

>RG225885 ORF sequence, **codon optimized**.  
**Due to the complexity of NM\_001105549, the ORF clone is codon optimized for mammalian Expression.**  
**The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.**

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCATGGTAGAAAGGATGATGCACAAAAGCAGCCTGTTAAAAATCAGCTTGGATTAAACCCGCAGTCAC  
 ATCTACCAGAAGTGCAGCTATTTCAAGCTGAAGGGAAAAATATAAATATGATCACATGGAAAAATCTGT  
 CAACAGTAGTTTCCTTAGTTTCCCACCCCAACGTATTTCTTCTACTGTCAAACCCACATTTCTCATACA  
 TATGAATGTAATTTTGTGGATTCATTATTCACACAAAAAGAGAAAGCAAATATTGGGACAGAACTACA  
 AATGTAATGAGCGTGGCAAGGCCTTTCATCAAGGCTTACATTTTACTATACATCAAATAATCCACTACTAA  
 AGAGACGCAATTTAAATGTGATATATGTGGCAAGATCTTCAATAAAAAATCAAACCTTGCAAGTCATCAA  
 AGAATTCATACTGGAGAGAAGCCATATAAATGTAATGAATGTGGCAAGGTCTTCCATAATATGTCACACC  
 TTGCACAGCATCGCAGGATTCATACTGGAGAGAAACCATATAAATGTAATGAATGTGGCAAGGTCTTTAA  
 TCAAATTTACACCTTGACAACATCAAAGAATTCATACCGAGAGAAACCTTATAAATGTAATGAATGT  
 GGAAAGGTCTTCCATCAAATTTACACCTTGACAACATCGGACAATTCATACTGGAGAAAAACCTTACG  
 AATGTAACAAATGTGGCAAGGTGTTGAGTGTGAAAGGTCTTCCATCATATTTACACCTTGACAACATCAG  
 AGAGAAACCTTACAGATGTAATGTATGTGAAAGGTCTTCCATCATATTTACACCTTGACAACATCAG  
 AGAATCCACACTGGAGAGAAACCTTACAAATGTAATGAGTGTGGCAAGGTCTTCACTCACAAGTCATCCC  
 TAGTAAATCACTGGAGAATTCATACTGGAGAGAAACCTTACAAATGTAATGAGTGTGGCAAGGTCTTCA  
 TCACAAGTCATCCCTAGTAAATCAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG225885 representing NM\_001105549  
 Red=Cloning site Green=Tags(s)

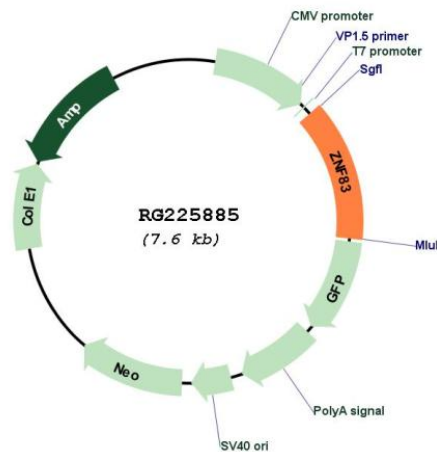
MHGRKDDAQKQPVKNLGLNPQSHLPELQLFQAEGKIYKYDHMEKSVNSSSLVSPQRISSVTKTHISHT  
 YECNFVDSLFTQKEKANIGTEHYKNERGKAFHQGLHFTIHQIIHTKETQFKCDICGKIFNKKSNLASHQ  
 RIHTGEKPYKCNECGKVFHNMSHLAQHRIHTGEKPYKCNECGKVFNQISHLAQHRIHTGEKPYKCNEC  
 GKVFHQISHLAQHRTIHTGEKPYECNKCGKVFSRNSYL VQHLLIHTGEKPYRCNVCGKVFHHISHLAHQH  
 RIHTGEKPYKCNECGKVF SHKSSLVNHWRIHTGEKPYKCNECGKVF SHKSSLVNH

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001105549

**ORF Size:** 1005 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\\_001105549.1](#), [NP\\_001099019.1](#)

**RefSeq Size:** 2963 bp

**RefSeq ORF:** 1551 bp

**Locus ID:** 55769

**UniProt ID:** [P51522](#)

**Cytogenetics:** 19q13.41

**Protein Families:** Transcription Factors

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