

## Product datasheet for **RG225886**

### ZNF83 (NM\_001105550) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF83 (NM_001105550) 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:**

>RG225886 representing NM\_001105550  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCATGGGAGAAAGGATGATGCACAAAAGCAGCCTGTTAAAAATCAGCTTGGATTAACCCGAGTCAC  
 ATCTACCAGAAGCTGCAGCTATTTCAAGCTGAAGGGAAAAATATATAAATATGATCAGTGGAAAAATCTGT  
 CAACAGTAGTTTCCTTAGTTTCCCCACCCCAACGTATTTCTTCTACTGTCAAACCCACATTTCTCATACA  
 TATGAATGTAATTTGTGGATTCATTATTCACACAAAAAGAGAAAAGCAAATATTGGGACAGAACTACTACA  
 AATGTAGTGAGCGTGGCAAGGCCTTTCATCAAGGCTTACATTTTACTATACATCAAATAATCCACTACTAA  
 AGAGACGCAATTTAAATGTGATATATGTGGCAAGATCTTCAATAAAAAATCAAACCTTGCAAGTCATCAA  
 AGAATTCATACTGGAGAGAAGCCATATAAATGTAATGAATGTGGCAAGGTCTTCCATAATATGTCACACC  
 TTGCACAGCATCGCAGGATTCATACTGGAGAGAAAACCATATAAATGTAATGAATGTGGCAAGGTCTTTAA  
 TCAAATTTACACCTTGACAACATCAAAGAATTCATACCGGAGAGAAACCTTATAAATGTAATGAATGT  
 GGAAAGGTCTTCCATCAAATTTACACCTTGACAACATCGGACAATTCATACTGGAGAAAAACCTTACG  
 AATGTAACAAATGTGGCAAGGTGTTCACTCGCAATTCCTACCTTGTAACAACATCTGATCATTCACTGG  
 AGAGAAACCTTACAGATGTAATGTATGTGGAAAGGTCTTCCATCATATTTACACCTTGACAACATCAG  
 AGAATCCACACTGGAGAGAAACCTTACAAATGTAATGAGTGTGGCAAGGTCTTCACTGACAAGTCATCCC  
 TAGTAAATCACTGGAGAATTCATACTGGAGAGAAAACCTTACAAATGTAATGAGTGTGGCAAGGTCTTCA  
 TCACAAGTCATCCCTAGTAAATCACTGGAGAATCCACACTGGAGAGAAACCTTACAAATGTAATGAATGT  
 GGCAAGGTCTTCACTCGCAATTCATACCTGCCAACATCTGATAATTCATGCCGGTGGAGAAACCTTATA  
 AGTGTGATGAATGTGACAAAGCATTCACTGCAAAAATTCACATCTTGTACAACATCAGAAATCCATACTGG  
 AGAGAAAACCTTACAAATGTGATGAATGTGGCAAGGTCTTCACTGCAAAAATTCATACCTTGCATATCATTGG  
 AGAATTCATACTGGAGAAAAAGCTTATAAATGTAATGAATGTGGGAAAGGTCTTCCGTCTAAAACCTATCCC  
 TAGCACATCATCGGAAAATTCACACTGGAGAGAAAACCTTCAAATGTAATGAATGTGGCAAGGTCTTTAG  
 TATGCGTTCAAGCCTCACTAATCATCATGCGATCCACACTGGAGAGAAACATTTCAAATGTAATGAATGT  
 GGCAAACCTTCCGCGACAATTCATATCTTGTACGTCATCAGAGATTTTCATGCCGAAAGAAATCTAACA  
 CATGTAAT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG225886 representing NM\_001105550  
 Red=Cloning site Green=Tags(s)

MHGRKDDAQKQPVKNLGLNPQSHLPELQLFQAEGKIYKYDHMEKSVNSSSLVSPPPQRISSTVKTHISHT  
 YECNFVDSLFTQKEKANIETEHYKCSERKAFHQGLHFTIHQI IHTKETQFKCDICGKIFNKKSNLASHQ  
 RIHTGEKPYKCNECGKVFHNMSHLAQHRR IHTGEKPYKCNECGKVFNQISHLAQHQR IHTGEKPYKCNEC  
 GKVFHQI SHLAQHRT IHTGEKPYECNKCGKVF SRNSYL VQHL I IHTGEKPYRCNVCGKVFHHI SHLAQH  
 RIHTGEKPYKCNECGKVF SHKSSLVNHWR IHTGEKPYKCNECGKVF SHKSSLVNHWR IHTGEKPYKCNEC  
 GKVFSRNSYLAQHL I IHAGEKPYKCDECDKAFSQNSHL VQHRIHTGEKPYKCDECGKVF SQNSYLA YHW  
 RIHTGEKAYKCNECGKVFGLNSSLAHHR IHTGEKPFKCNECGKAF SMRSSL TNHHA IHTGEKHFKCNEC  
 GKLF RDNSYLVRHQRFHAGKKSNTCN

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

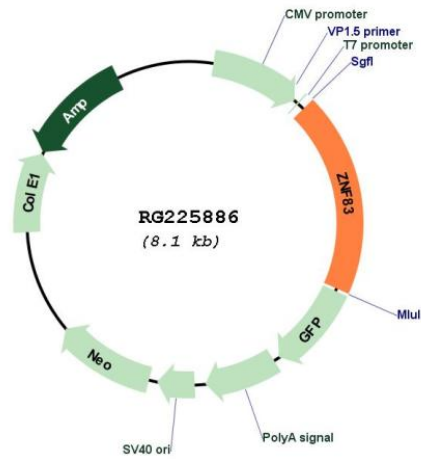
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_001105550
<b>ORF Size:</b>	1548 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001105550.1</a> , <a href="#">NP_001099020.1</a>
<b>RefSeq Size:</b>	2847 bp
<b>RefSeq ORF:</b>	1551 bp
<b>Locus ID:</b>	55769
<b>UniProt ID:</b>	<a href="#">P51522</a>
<b>Cytogenetics:</b>	19q13.41
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]