

## Product datasheet for **RG231309**

### ZNF783 (NM\_001195220) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF783 (NM_001195220) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF783
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG231309 representing NM\_001195220  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCGAAGCGGCGCTGCCCGGACCCGAGACAGACAAGCACACAGAGGACCAGAGTCTTCGACAC  
 CCTTGCCCCAGCCAGCTGCTGAGAAGAAGCTCGTACCTCTACTCCACGAAATCACACTGTGGACGGTGGT  
 GGCCGCCATTCAGGCCTTGAGAGAAGAAGGTGGATTCTGCCTGACCCGCTTGCTGACTCTGGAGGGGCGC  
 ACGGGGACAGCCGAGAAGAAGCTGGCCGACTGCGAGAAGACAGCTGTGGAGTTCGGGAACCACTGGAGG  
 GCAAGTGGGCCGTGCTGGGGACCTTGTGCAGGAGTACGGGTGCTGCAGAGGCGGCTGGAGAATGTGGA  
 GAATTGCTGCGCAACAGGAAGTCTGGATCTTGCAGGCTGCCCGGGCAGCAAGGGGGAGGCCCAAG  
 GTGCCCGTACCTTCGATGATGTGGCCGTGATTTCTCTGAGCTGGAGTGGGGCAAGCTGGAGGACTGGC  
 AGAAGGAGCTCTACAAGCACGTGATGAGGGCACTACGAGACGCTGGTCTCCCTGGATTATGCAATCTC  
 CAAACCAGACATCTCACCCGGATAGAGAGGGGAGAGGAGCCTTGTCTTGACCGGTGGGGCCAGGAGAAG  
 GGAATGAAGTAGAGGTGGGACGCTCAAGGATGATGGGCACTGGCTCCCTCCGTATCCAGAGCACCTCA  
 CCAGCCCACTTAGCCCTGCCAGGAGGAGCTGAAAGAAGGGCAGGCCCAAGCAGCAGCAGGACTCAGA  
 GGCGAGAGTGGCCCAAGCCGGGCGAGAAGCAGGTGGTGGTGTGGCCATCAAGACAGAGGCACAGTCTGAA  
 GACGAGATGACGCTGAGCGGCTCTTTCTGGGGTGTCCCGAGGCCAGACCGAGTGTAGAATCCCCGAG  
 GGCCAGGAACAGGCCTGGGGGCCCCAGCCGTCATCAGGCCAGGGCATGCCAGGTTGCGGGCAGGGGA  
 GCCACGGCCACCGGGGCGAGTGGGGAGACGCCCGAGTCTCTCCCGCAGGGCGGAGCGGGCATTCCCC  
 TGCCCCGACTGCGGGCAGAGCTTCCGCTGAAGATCAATCTGACGATTATCAGCGGACCCATGTGGAGG  
 AGGGGCGCAGGAGGCCCGCCGCGCTGCCACCAGCTGCGGGGACAGCCAGGCCATGCTGGAGCCGGG  
 GGAGGTGGTGGTACCCGCGCCTGTCATCCGCTGGCTCCCGAGGAGCCTGAGGGTCCGCGCTCCGTGGCA  
 GGGGGCGGTGCCCTGGTGGGGCGGCGGCTGCAGCCAGCAAGATGTACCACTGCAGCGAGTGCCTGCGCT  
 TCTTCCAGCAGCGCAAGAGCCTGCTGCTGCACCAGCGCCTGCACACCGGCAATGGCCAGGCTGGCCCGC  
 CTGCCCTACTGCGGCAAGGCCTTCCGCGGCCCTCGGACCTTCTCCGGCACCAGCGCATCCACACCGGT  
 GAGCGGCCCTACCAGTCCCCAGTGTGGCCGACCTTCAACCGCAACCACCACCTGGCCGTGCACATGC  
 AGACCCACGCCGAGGCCAGTGGGCCACACTCCCTGCCGCCCGCCGCGCACGGGAGCCTGCCCT  
 GCCCTGGCCAGCCGGAAGGAGGAGGC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG231309 representing NM\_001195220  
 Red=Cloning site Green=Tags(s)

MAEAAPARDPETDKHTEDQSPSTPLPQAAEKNSYLSTEITLWTVVAAIQALEKKVDSCLTRLLTLEGR  
 TGTAEKKLADCEKTAVEFGNQLLEGKWAVLGTLLQEYGLLQRRLENVENLLRNRNFWILRLPPGSKGEAPK  
 VPVTFDDVAVYFSELEWGLLEDWQKELYKHVMRGNYETLVSLDYAISKPDILTRIERGEEPCLDRAWQEK  
 GNEVEVGRPRMMGTGLPPYPEHLTSPSPAQEELKEGQAPKQQDSEARVAPAGPEAGGGVAIKTEAQSE  
 DENTPERLFLGVSRGQTECRIPRGRNRPGGPSRHQAQGMPRVRAGEPRPPGASGETPRVLSRRRQRAFP  
 CPDCGQSFRLKINLTIHQRTHVEEGRQEAPGRSPTSCGDSQAMLEPGEVVVPGPVIRWLPEEPEGRRSVA  
 GGRALVGRRAASKMYHCSECLRFFQQRKSLLLHQRLHTGNGQGWPAFCYCGKAFRRPSDLFRHQRIHTG  
 ERPYQCPQCGRTFNRNHHLAVHMQTHARGQVGFHFAAPARHGSLPLPWPSRKEEG

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001195220

**ORF Size:** 1638 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

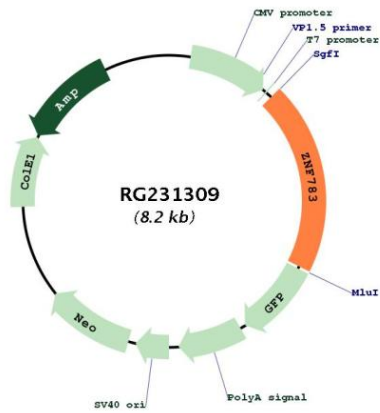
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001195220.2](#)  
 RefSeq Size: 4455 bp  
 RefSeq ORF: 1641 bp  
 Locus ID: 100289678  
 UniProt ID: [Q6ZMS7](#)  
 Cytogenetics: 7q36.1  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG231309