

## Product datasheet for **RG212284**

### ZNF583 (NM\_152478) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF583 (NM_152478) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF583
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG212284 representing NM\_152478  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTCCAAGGATTTGGTACATTTGGGATGTGGCTGTAATTTCTCTCAAGAGGAATGGGAATGGCTGA  
 ACCCTGCTCAGAGGAATTTGTACAGGAAAGTGATGTTGGAGAACACAGGAGCTTGGTATCATTGGGAGT  
 TTCTGTTTCTAAGCCAGATGTGATCTCATTATTGGAGCAAGGAAAAGAGCCCTGGATGGTGAAGAAGGAG  
 GGAACAAGAGGCCATGCCCTGATTGGGAGTATGTATTTAAAAACAGTGAATTTTCATCAAAGCAAGAGA  
 CATATGAAGAATCATCAAAGTTGTGACAGTGGGAGCAAGACATCTTAGTTATAGCCTTGACTATCCAG  
 TTTGAGAGAAGACTGTCAAAGTGAAGACTGGTATAAGAACCAGCTGGGAAGTCAAGAGGTACATCTTAGT  
 CAATTAATCATCACTCATAAAGAAATCCTTCCAGAAGTCAAATAAAGAATAAACAATCTTGCCAAA  
 CATTCCACCAGGATAAATCTTTGATATACAACAGAGTTTTCCACCAAAGAAAAAGCACATAAGCATGA  
 ACCACAAAAGAAAAGTTACCGAAAAAATCTGTTGAAATGAAACATAGGAAAGTCTATGTAGAAAAGAAA  
 CTTTTGAAATGTAATGATTGTGAGAAAAGTCTCAACCAGAGCTCATCCCTTACTCTTCATCAGAGAATTC  
 ATACTGGAGAGAAACCTATGCATGTGTTGAATGTGGGAAAACGTTACGCCAGAGTGCAAACTTGGCGCA  
 ACATAAGAGAATACATACTGGAGAGAAACCTATGAATGTAAGAATGTAGGAAAGCCTTCAGCCAGAAT  
 GCACACCTGGCCCAACATCAGAGAGTTCATACTGGAGAGAAACCTTATCAGTGTAAAGAATGTAAGAAA  
 CCTTCAGCCAGATTGCACACCTGACTCAGCATCAGAGAGTTCATACTGGAGAGAGACCTTTCGAATGTAT  
 TGAATGTGGAAGGCCTTAGTAATGGTTCATTTCTTGCCTCAGCATCAGAGAATTCATACAGGAGAGAAA  
 CCTTATGTGTGAATGTGTGGGAAAGCCTTAGCCATCGTGGATACCTAATTGTACATCAGAGAATTC  
 ATACTGGAGAGAGACCCTACGAATGTAAGGAATGTAGGAAAGCCTTCAGCCAGTATGCACACCTTGCTCA  
 ACATCAGAGAGTTCATACTGGAGAAAAACCTTATGAATGTAAGTATGTAGGAAAGCCTTCAGCCAAATT  
 GCATACCTTGATCAACATCAGAGGGTTCATACTGGAGAGAAACCTATGAATGATTGAATGTGGGAAGG  
 CCTTTAGCAATAGTTCATCACTTGCACAACATCAGAGAAGTCATACTGGAGAAAAACCTATATGTGTAA  
 GGAATGTAGGAAAACATTTAGCCAGAATGCAGGCCTTGCTCAACATCAGAGAATTCATACTGGAGAGAAA  
 CCTTATGAATGTAATGTTTGGGAAAGCATTAGCTATAGTGGATCTCTACTCTACATCAGAGAATTC  
 ATACTGGAGAAAGACCCTATGAATGTAAGATTGCAGGAAATCTTCAGGCAGCGTGCACATCTTGCTCA  
 TCATGAGAGAATTCATACTATGGAGTCATTCTTGACTCTTCTCCTCACCCTCCACATCAAATCAG  
 TTGCCAAGACCTGTAGGTTTCATCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG212284 representing NM\_152478  
 Red=Cloning site Green=Tags(s)

MSKDLVTFGDVAVNFSQEEWEWLNPAQRNLYRKVMLENYRSLVSLGVSVPDVISLLEQKPEPMMVKKE  
 GTRGPCPDWEYVFKNSEFSSKQETYEESKVVTVGARHLSYSLDYPSLREDCQSEDWYKNQLGSQEVHLS  
 QLIITHKEILPEVQNKEYNKSQWTFHQDTIFDIQQSFPTKEKAHKHEPQKKSyrkksVEMKhrkVYVEKk  
 LLKcNDCEKvFNQSSSLTLHQRIHTGekPYAcVCGKTFsQsANLAQhkrIHTGekPYEckEcrKAFsQN  
 AhLAQHQRVHTGekPYQckEckKAFsQIAHLTQHQRVHTGERPFECIECGKAFsNGSfLAQHQRiHTGek  
 PYVCNVGKAFshrgYLIVHQRiHTGERPYEckEcrKAFsQYAhLAQHQRVHTGekPYEckVcrKAFsQI  
 AYLDQHQRVHTGekPYECIECGKAFsNSSSLAQHQRsHTGekPYMckEcrKTFsQNAgLAQHQRiHTGek  
 PYECNVGKAFsYSGSLTLHQRIHTGERPYEckDCrksFRQRAHLAHERiHTMESFLTLSSPSPSTSNQ  
 LPRPVGFIS

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_152478

**ORF Size:** 1707 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\\_152478.3](#)

**RefSeq Size:** 2566 bp

**RefSeq ORF:** 1710 bp

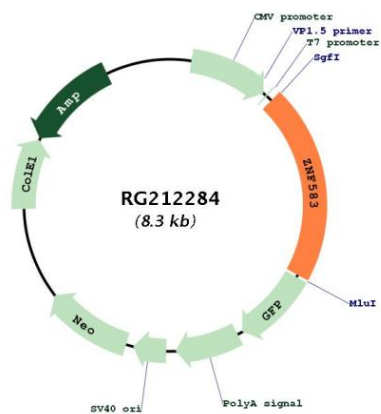
**Locus ID:** 147949

**UniProt ID:** [Q96ND8](#)

**Cytogenetics:** 19q13.43

Domains: KRAB, zf-C2H2  
 Protein Families: Transcription Factors  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG212284