

Product datasheet for **RG228964**

ZNF583 (NM_001159860) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF583 (NM_001159860) 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:

>RG228964 representing NM_001159860
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATG**TCCAAGGATTGGT**GACATTTGGGGATGTGGCTGTAATTTCTCTCAAGAGGAATGGGAATGGCTGA
 ACCCTGCTCAGAGGAATTTGTACAGGAAAGTGATGTTGGAGAACACAGGAGCTTGGTATCATTGGGAGT
 TTCTGTTTCTAAGCCAGATGTGATCTCATTATTGGAGCAAGGAAAAGAGCCCTGGATGGTGAAGAAGGAG
 GGAACAAGAGGCCATGCCCTGATTGGGAGTATGTATTTAAAAACAGTGAATTTTCATCAAAGCAAGAGA
 CATATGAAGAATCATCAAAGTTGTGACAGTGGGAGCAAGACATCTTAGTTATAGCCTTGACTATCCAG
 TTTGAGAGAAGACTGTCAAAGTGAAGACTGGTATAAGAACCAGCTGGGAAGTCAAGAGGTACATCTTAGT
 CAATTAATCATCACTCATAAAGAAATCCTTCCAGAAGTCAAATAAAGAATAAACAATCTTGGCAA
 CATTCCACCAGGATAAATCTTTGATATACAACAGAGTTTCCCACCAAGAAAAAGCACATAAGCATGA
 ACCACAAAAGAAAAGTTACCGAAAAAATCTGTTGAAATGAAACATAGGAAAGTCTATGTAGAAAAGAAA
 CTTTTGAAATGTAATGATTGTGAGAAAAGCTTCAACCAGAGCTCATCCCTTACTCTTCATCAGAGAATTC
 ATACTGGAGAGAAACCTATGCATGTGTTGAATGTGGGAAAACGTTACGCCAGAGTGCAAACCTTGGCGCA
 ACATAAGAGAATACATACTGGAGAGAAACCTATGAATGTAAGAATGTAGGAAAGCCTTCAGCCAGAAT
 GCACACCTGGCCCAACATCAGAGAGTTCATACTGGAGAGAAACCTTATCAGTGTAAAGAATGTAAGAAAG
 CCTTCAGCCAGATTGCACACCTGACTCAGCATCAGAGAGTTCATACTGGAGAGAGACCTTTCGAATGTAT
 TGAATGTGGAAAGGCCTTAGTAATGGTTCATTTCTTGCCTCAGCATCAGAGAATTCATACAGGAGAGAAA
 CCTTATGTGTGTAATGTGTGTGGGAAAGCCTTAGCCATCGTGGATACCTAATTGTACATCAGAGAATTC
 ATACTGGAGAGAGACCCTACGAATGTAAGGAATGTAGGAAAGCCTTCAGCCAGATGCACACCTTGCCTCA
 ACATCAGAGAGTTCATACTGGAGAAAAACCTTATGAATGTAAGTATGTAGGAAAGCCTTCAGCCAAATT
 GCATACCTTGATCAACATCAGAGGGTTCATACTGGAGAGAAACCTATGAATGATTGAATGTGGGAAAGG
 CCTTTAGCAATAGTTCATCACTTGCACAACATCAGAGAAGTCATACTGGAGAAAAACCTATATGTGTAA
 GGAATGTAGGAAACATTTAGCCAGAATGCAGGCCTTGCACAACATCAGAGAATTCATACTGGAGAGAAA
 CCTTATGAATGTAATGTTTGTGGGAAAGCATTAGCTATAGTGGATCTCTTACTCTACATCAGAGAATTC
 ATACTGGAGAAAGACCCTATGAATGTAAGATTGCAGGAAATCTTTCAGGCAGCGTGCACATCTTGTCTCA
 TCATGAGAGAATTCATACTATGGAGTCATTCTTGACTCTTCTCCTCCTCCCTCACCTCCACATCAAATCAG
 TTGCCAAGACCTGTAGGTTTCATCTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG228964 representing NM_001159860
 Red=Cloning site Green=Tags(s)

MSKDLVTFGDVAVNFSQEEWEWLNPAQRNLYRKVMLENYRSLVSLGVSVPDVISLLEQKPEPMMVKKE
 GTRGPCPDWEYVFKNSEFSSKQETYEESKVVTVGARHLSYSLDYPSLREDCQSEDWYKNQLGSQEVHLS
 QLIITHKEILPEVQNKEYNKSQTFFHQDTIFDIQQSFPTKEKAHKHEPQKKSyrkksVEMKhrkVYVEKk
 LLKcNDCEkVFNQSSSLTLHQRIHTGekPYAcVCGKTFsQsANLAQhkrIHTGekPYEckEcrkAFsQn
 AhLAQHQRVHTGekPYQckEckAFsQIAHLTQHQRVHTGERPFECIECGkAFsNGSfLAQHQRiHTGek
 PYVCNVCgkAFshrgYLIVHQRiHTGERPYEckEcrkAFsQYAHLAQHQRVHTGekPYEckVcrkAFsQI
 AYLDQHQRVHTGekPYECIECGkAFsNSSSLAQHQRsHTGekPYMckEcrkTFsQnAGLAQHQRiHTGek
 PYECNVCgkAFsYSGSLTLHQRIHTGERPYEckDCrksFRQRAHLAHERiHTMESfLTLSSPSPSTSNQ
 LPRPVGFIS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none">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_001159860.1 , NP_001153332.1
RefSeq Size:	2538 bp
RefSeq ORF:	1710 bp
Locus ID:	147949
UniProt ID:	Q96ND8
Cytogenetics:	19q13.43
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]