

## Product datasheet for **RG216564**

### ZNF277 (NM\_021994) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF277 (NM_021994) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF277
Synonyms:	NRIF4; ZNF277P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG216564 representing NM\_021994  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGCTTCCAAGACCCAGGGGCTGTCCGCCGAATGCAGGAAGACCGTGATGGGAGCTGCAGCACAG  
 TCGGGGGTGTAGGTTATGGGGACAGTAAGGATTGTATCCTGGAGCCGCTTCCCTGCCAGAAAGTCCAGG  
 TGGCACCACCCTTTAGAAGTTCTCCATCTGTGCCTTGATTTTCTGTGAAGAACATTTTCCTGTGGCT  
 GAACAAGACAACTTCTGAAGCACATGATTATTGAGCATAAGATTGTCATAGCTGATGTCAAGTTGGTTG  
 CTGATTTCCAAAGGTACATTTTATATTGGAGGAAAAGTTCACTGAACAGCCCATCACAGATTTTGTAG  
 TGTAATAAGAATTAATCCACTGCTCCATTTGAAGAACAAGAGAATTATTTTTTGTATGTGACGTTTTA  
 CCAGAAGATAGAATTCTAGAGAAGAGCTTCAGAAACAGAGACTGAGAGAAATCTGGAACAACAGCAGC  
 AAGAACGAAATGATACCAATTTTCATGGCGTTTGTATGTTTTGCAATGAAGAATTCCTTGGAACAGATC  
 TGTTATTTTGAACCACATGGCCAGAGAATCGTTTCAACATTGGATTGCCAGACAACATTGTAACATGC  
 AATGAATTTTTGTGTACATTACAGAAAAAGCTTGACAATTTGCAGTGTCTGTACTGTGAGAAGACCTTCA  
 GGGACAAAAATACACTTAAAGATCACATGAGGAAAAACAGCATCGTAAGATTAATCCTAAGAACAGAGA  
 ATATGACAGATTTTATGTCATCAATTTTGGAACTTGGAAAAATCGTGGGAAGAAGTTCAAGTTGGAAGAT  
 GATCGGGAGTTGCTGGACCATCAGGAAGATGACTGGTCTGATTGGGAAGAACACCCTGCCTCTGCAGTCT  
 GCTTATTTTGTGAAAAGCAAGCAGAAACAATTGAGAAGTTGTATGTCCACATGGAGGATGCACACGAATT  
 TGATCTTCTCAAATAAAGTCAGAACTTGGATTAATTTCTATCAGCAAGTGAAGTGGTCAATTTTATT  
 CGGAGGCAAGTTCACCAATGCAGATGTTATGGCTGCCATGTGAAGTTCAAATCCAAGCAGACTTAAGAA  
 CTCACATGGAAGAACTAAACACACTTCGCTGCTCCCGATAGAAAGACGTGGGATCAACTGGAGTATTA  
 TTTTCCAACCTATGAAAATGACACTCTCCTGTGTACACTATCTGACAGTGAAGTGAAGTGAAGTGAAGTGA  
 GAACAAAATGAAAATGTTCCCATCATCAGTGAAGATACATCTAAACTGTATGCTTTGAAACAAAGCAGTA  
 TTTTGAACCAGTTGCTACTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG216564 representing NM\_021994  
 Red=Cloning site Green=Tags(s)

MAASKTQGAVARMQEDRDGSCSTVGGVGYGDSKDCILEPLSLPESPGTTTLEGSPPVPCIFCEEHPVA  
 EQDKLLKHMIIEHKIVIADVKL VADFQRYIL YWRKRFTEQPITDFCSVIRINSTAPFEEQENYFLLCDVL  
 PEDRILREELQKQRLREILEQQQERNDTNFHGVMFCNEEFLGNRSVILNHMAREHAFNIGLPDNI VNC  
 NEFLCTLQKLDNLQCLYCEKTFRDKNTLKDHRKKQHRKINPKNREYDRFYVINYLEL GKSWEDEVQLED  
 DRELLDHQEDDWDWEHPASAVCLFCEKQAEIEKLYVHMEDAHEFDLLKIKSELGLNFYQQVKLVNFI  
 RRQVHQRCRYGCHVKFKSKADLRTHMEETKHTSLLPDRKTWDQLEYYFPTYENDTLLCTLSDSEDLTAQ  
 EQNENVP I I SEDTSKLYALKQSSILNQLLL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_021994

**ORF Size:** 1350 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\\_021994.3](#)

**RefSeq Size:** 2687 bp

**RefSeq ORF:** 1353 bp

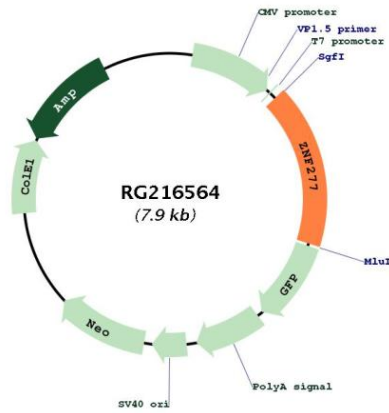
**Locus ID:** 11179

**UniProt ID:** [Q9NRM2](#)

**Cytogenetics:** 7q31.1

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

**Product images:**



Circular map for RG216564