

Product datasheet for **RC216564**

ZNF277 (NM_021994) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF277 (NM_021994) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF277
Synonyms:	NRIF4; ZNF277P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC216564 representing NM_021994
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCTTCCAAGACCCAGGGGGCTGTCGCCGAATGCAGGAAGACCGTGATGGGAGCTGCAGCACAG
 TCGGGGTGTAGTTATGGGGACAGTAAGGATTGTATCCTGGAGCCGCTTCCCTGCCAGAAAGTCCAGG
 TGGCACCACCCTTTAGAAGTTCTCCATCTGTGCCTGTATTTTCTGTGAAGAACATTTTCTGTGGCT
 GAACAAGACAACTTCTGAAGCACATGATTATTGAGCATAAGATTGTCATAGCTGATGTCAAGTTGGTTG
 CTGATTTCCAAAGGTACATTTTATATTGGAGGAAAAGTTCACTGAACAGCCCATCACAGATTTTGTAG
 TGTAATAAGAATTAATCCACTGCTCCATTTGAAGAACAAGAGAATTATTTTTTGTATGTGACGTTTTA
 CCAGAAGATAGAATTCTAGAGAAGAGCTTCAGAAACAGAGACTGAGAGAAATCTGGAACAACAGCAGC
 AAGAACGAAATGATACCAATTTTCATGGCGTTTGTATGTTTTGCAATGAAGAATTCCTTGAAACAGATC
 TGTTATTTTGAACCACATGGCCAGAGAATCGTTTCAACATTGGATTGCCAGACAACATTGTAAGTGC
 AATGAATTTTTGTGTACATTACAGAAAAAGCTTGACAATTTGCAGTGTCTGTACTGTGAGAAGACCTTCA
 GGGACAAAAATACACTTAAAGATCACATGAGGAAAAAACAGCATCGTAAGATTAATCCTAAGAACAGAGA
 ATATGACAGATTTTATGTCATCAATTTTGGAACTTGGAAAAATCGTGGGAAGAAGTTCAAGTTGGAAGAT
 GATCGGGAGTTGCTGGACCATCAGGAAGATGACTGGTCTGATTGGGAAGAACACCCTGCCTCTGCAGTCT
 GCTTATTTTGTGAAAAGCAAGCAGAAACAATTGAGAAGTTGTATGTCCACATGGAGGATGCACACGAATT
 TGATCTTCTCAAATAAAGTCAGAACTTGGATTAATTTCTATCAGCAAGTGAAGTGGTCAATTTTATT
 CGGAGGCAAGTTCACCAATGCAGATGTTATGGCTGCCATGTGAAGTCAAATCCAAGCAGACTTAAGAA
 CTCACATGGAAGAACTAAACACACTTCGCTGCTCCCGATAGAAAGAGCTGGGATCAACTGGAGTATTA
 TTTTCCAACCTATGAAAATGACACTCTCCTGTGTACACTATCTGACAGTGAAGTGAACCTGACAGCTCAG
 GAACAAAATGAAAATGTTCCCATCATCAGTGAAGATACATCTAAACTGTATGCTTTGAAACAAAGCAGTA
 TTTTGAACCAGTTGCTACTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216564 representing NM_021994
 Red=Cloning site Green=Tags(s)

MAASKTQGAARMQEDRDGSCSTVGGVGYGDSKDCILEPLSLPESPGTTTLEGSPPVPCIFCEEHPVA
 EQDKLLKHMIIEHKIVIADVKL VADFQRYILYWRKRFTEQPIIDFCSVIRINSTAPFEEQENYFLLCDVL
 PEDRILREELQKQRLREILEQQQERNDTNFHGVMFCNEEFLGNRSVILNHMAREHAFNIGLPDNI VNC
 NEFLCTLQKLDNLQCLYCEKTRFDKNTLKDHRKKQHRKINPKNREYDRFYVINYLEL GKSWEEVQLED
 DRELLDHQEDDSDWEEHPASAVCLFCEKQAEETIEKLYVHMEDAHEFDLLKIKSELGLNFYQQVKLVNFI
 RRQVHQRCYGCYKFKSKADLRTHMEETKHTSLLPDRKTDWQLEYFPYENDTLLCTLSDSESDLTAQ
 EQNENVPII SEDTSKLYALKQSSILNQLLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6474_b08.zip

Restriction Sites:

Sgfl-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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021994.3](#)

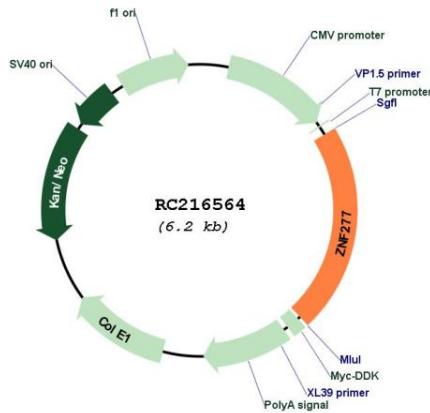
RefSeq Size: 2687 bp

RefSeq ORF: 1353 bp

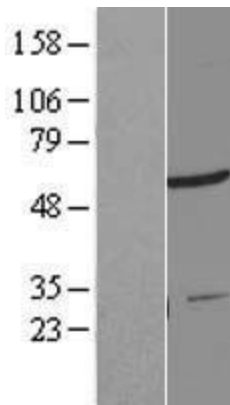
Locus ID: 11179

UniProt ID: [Q9NRM2](#)
Cytogenetics: 7q31.1
Domains: zf-C2H2
Protein Families: Transcription Factors
MW: 52.6 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC216564



Western blot validation of overexpression lysate (Cat# [LY411836]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216564 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).