

## Product datasheet for **RC224775**

### ZNF101 (NM\_033204) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF101 (NM_033204) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF101
Synonyms:	HZF12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC224775 representing NM\_033204  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTCAGTGGCCTTTGAGGATGTGGCTGTGAACTTCAACCAGGAGGAGTGGCCTTTGCTGAGTCCTT  
 CCCAGAAGAATCTCTACAGAGATGTGACGCTGGAAACCTTCAGGAACCTGGCCTCGGTCCGAATCCAATG  
 GAAAGACCAGGACATTGAGAATCTGTACAAAACCTGGGGATTAAGCTAAGAAGTCTGGTGGAGAGACTC  
 TGTGGACGTAAGAAGGGAATGAACACAGAGAACTTTACGCCAGATTCTGATTGTACCTGAACAAGA  
 AAAGTCAAAGTGGAGTGAACCATGCAAAATGCAGCGTGTGGGAAAGTCTTCTCCGTCATTATTCTCT  
 GGACAGGCACATGAGAGCTCATGCTGGACACAAACGATCTGAGTGTGGTGGGGAATGGAGAGAGACGCC  
 CGTAAACAGAAACAACATGGGAAAGCCTCCATTTCCCCAGTAGTGGTGCACGGCGCACAGTAACACCAA  
 CTCGAAAGAGACCTTATGAATGCAAGGTGTGCGGGAAAGCCTTTAATTCTCCCAATTTATTTCAAATCCA  
 TCAAAGAACTCACACTGGAAAGAGTCTATAAATGTAGGGAAATAGTGAGAGCCTTCACAGTTTCCAGT  
 TTCTTTGAAAACATGGAAAAATGCATACTGGAGAAAAACGCTATGAATGTAATACTGTGGAAAACCTA  
 TCGATTATCCCAGTTTATTTCAAATTCATGTTAGAACTCACACTGGAGAAAAACCTTACAATGTAACA  
 ATGTGGTAAAGCCTTCATTTCCGCAGGTTACCTTCGGACACATGAAATCAGATCTCACGCCTGGAGAAA  
 TCCCACCAATGTCAGGAATGTGGGAAAAAAGTCACTGTTGTTCCAGTTCCTTCACAGACATGAAAGAAGT  
 ATAGTGGAGGAAAAGTCTACGAATGTCAAAAATGTGCCAAAGTCTTTAGATGTCCACGTCCTTCAAGC  
 ACATGAAAGAGCTCACACTGGAGAAAGACCTTATGAATGTAATAAATGTGGTAAAACCTTCAATTATCCC  
 AGTTGTTTTCGAAGACATAAAAAAAGTCACTAGTGGAGAAAAGCCATATGAATGTACAAGGTGTGGTAAAG  
 CCTTTGGGTGGTGCAGTCCCTCCGAAGACATGAAATGACTCACACTGGAGAAAAACCTTTGATTGTAA  
 ACAGTGTGGTAAAGTCTTTACTTTTTCAAATTACCTTAGACTTCATGAAAGAAGTCAATTTGGCCGGGCGT  
 AGCCAGTGCTTTGGCAGGAGGCAGGGGGATCACCTGAGCCAGGAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC224775 representing NM\_033204  
 Red=Cloning site Green=Tags(s)

MDSVAFEDVAVNFTQEEWALLSPSQKNLYRDVTLETFRNLASVGIQWKDQDIENLYQNLGIKLRSLVERL  
 CGRKEGNEHRETFSQIPDCHLNKKSQTGVKPKCSVCGKVFLRHSFLDRHMRHAGHKRSECGGEWRETP  
 RKQKQHGKASISPSGARRTVTPTRKRPYECKVCGKAFNSPNLFQIHQRTHTGKRSYKCREIVRAFTVSS  
 FFRKHGKMHTGEKRYECKYCGKPIDYPSLFIHVRTHTEKPKYCKQCGKAFISAGYLRTHEIRSHALEK  
 SHQCQECGKLSLSSSLHRHERTHSGGKLYECQKCAKVFRCPTSLQAHERAHTGERPYECNKCGKTFNYP  
 SCFRRHKKTHSGEKPYELECTRCGKAFGWCSLRRHEMHTGKPFDCQCGKVFTFSNYLRLHERTHLAGR  
 SQCFGRRQGDHLSPGV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6498\\_a04.zip](https://cdn.origene.com/chromatograms/mk6498_a04.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_033204

**ORF Size:** 1308 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\\_033204.4](#)

**RefSeq Size:** 1458 bp

**RefSeq ORF:** 1311 bp

**Locus ID:** 94039

**UniProt ID:** [Q8IZC7](#)

**Cytogenetics:** 19p13.11

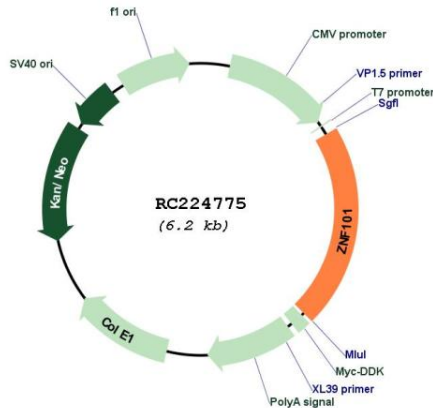
**Domains:** KRAB, zf-C2H2

**Protein Families:** Druggable Genome, Transcription Factors

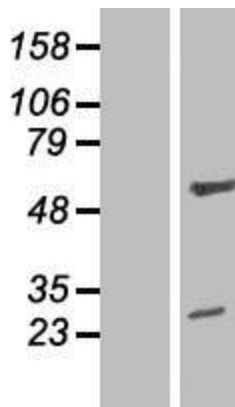
**MW:** 50.2 kDa

**Gene Summary:** Zinc finger proteins (ZNFs), such as ZNF101, bind nucleic acids and perform many key functions, the most important of which is regulating transcription (summary by Bellefroid et al., 1993 [PubMed 8467795]). See ZNF91 (MIM 603971) for general information on ZNFs. [supplied by OMIM, Nov 2010]

**Product images:**



Circular map for RC224775



Western blot validation of overexpression lysate (Cat# [LY409627]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224775 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).