

## Product datasheet for **RC212418**

### ZNF273 (NM\_021148) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF273 (NM_021148) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF273
Synonyms:	HZF9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC212418 representing NM\_021148  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTCTGCTCCTAGAGGTCCACCTTCTGTGGCCCCGTACCTGCAGGTATTGGGAGATCCACAGCTA  
 AGACGCCAGGACTCCCTGGAAGCCTAGAAATGGGACCCTGACATTTAGGGATGTGGCCATAGAATTCTC  
 TCTGGAGGAGTGGAATGCCTGGACACTTCACAGCAGAATTTGTATAGGAATGTGATGTTAGATAACTAC  
 AGAAACCTGGTCTTCTGGGTATTGCTGTCTCTAAGCCAGACCTGATCACTTGTCTGGAGCAAGGAAAAG  
 AGCCCTGCAATATGAAGAGACATGCGTAGGTAGCCAAACCCAGTTGTGTGTTCTATTTTGCCTAAGA  
 CCTTTGGCCAAAGCAGGGCTTAAAAGATTCTTTTCAAAAAGTGATACTGAGAAGATATGGAAAATATGGA  
 CATGAGAATTTACAATTAAGAAAAGGCTGTAAAAGTCCGGATGAGCATAAGGTGCACAAAAGAGGTTATA  
 ATGGACTTAACCAATGTTTGACAACTACCCAGAGCAAAAATTTTCAATGTGATAAATATGTTAAAGTCT  
 TCATAAATCTCAAATTCAAATATACATAAGAAAAGACAACTGGAAAGAAACCTTTCAAATGTAAGAA  
 TGTGGCAAATCATGTTGCATACTTTCACTAACTCAGCATAAGAAAACCTGCTACTAGAGTGAATTTCT  
 ACAATGTAAGACATGTGAAAAGCCTTTAACCAGTTCTCAAATCTTACTAAACATAAGATAATTCATCC  
 TGAAGTGAATCCCTACAATGTGAAGAATGTGGCAAAGCCTTTAACCAGTCCCTTAACTCTTACTAAACAT  
 AAAAAATTCATACTGAAGAGAAACCTTACAAATGTGAAGATTGTGGCAAAGTCTTTAGTGTATTTTCAG  
 TCCTTACTAAACATAAGATAATTCATACAGGAACAAAACCTACAATTGTGAAGAATGTGGCAAAGGCTT  
 TAGTATATTCTCAACCTTACTAAACATAAGATAATTCATACTGGAGAGAAAACCTTACAATGCAATGAA  
 TGTGGTAAAGCCTTTAAGTGGTCTCACTCTTACTAAACATAAGAGAATTCATACTGGAGAGAAAACCT  
 ACAATGTGAAGAATGTGGCAAAGCTTTAACCAGTCCCTCAACCTTACTAGACATAAGATAAGTTTATAC  
 TGGAGAGAAAACCTACAATGTGAAGAATGTGGTAAAGCCTTTAACCAGTCCACAACTCTTACTAAACAT  
 AAGAGAATTTTACTAAAGAGAAACCATACAAATGTGAAGAATGTGAAAAGCCTTTAGTGTATTCTCAA  
 CCCTTACTAAACATAAGATAATTCATACTGGAGCAAAAACCTTACAATGTGAAGAATGTGGCAGTGCCTT  
 TAGGGCATTCTCAACCTTACTGAACATAAGAGAGTTCATACTGGAGAGAAAACCTTACAATGCAATGAA  
 TGTGGTAAAGCCTTTAAGTGGTCTCACTCTTACTAAACATAAGAGAATTCATACTGGAGAGAAACCT  
 ACAATGTGAAGAATGTGGCAAAGCTTTAACCAGTCCCTCAACCTTACTCGACATAAGAAAATTCATAC  
 TGGAGAGAAAACCATACAACCTAAAAGATGTGACAGTGCCTTTGACAACACCCCAAACTTTCTAGACAT  
 AAAAGAAATCATATGGGTGAGAAATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC212418 representing NM\_021148  
 Red=Cloning site Green=Tags(s)

MSSAPRGPPSVAPLPAGIGRSTAKTPGLPGSLEMGPLTFRDVAIEFSLEEWQCLDTSQQNLRYNVMLDNY  
 RNLVFLGIIVSKPDLITCLEQGKEPCNMKRHAMVAKPPVVCVSHFAQDLWPKQGLKDSFQKIVLRRYKYG  
 HENLQLRKGKSADEHKVHKRGYNLNLQCLTTTQSKIFQCDKYVKVLHKFSNSNIHKKRQTGKPKFKCKE  
 CGKSCCISQLTQHKTATRNVFYKCKTCGKAFNQFSNLTKHKIHPVENPKCEECGKAFNQSLTLTKH  
 KKIHTTEPKYKCEDCGKVSFVSVLTKHKIHTGTKPYNCEECGKFSIFSTLTKHKIHTGKPYKNE  
 CGKAFNWSSTLTKHKRIHTGKPYKCEECGKAFNQSSSTLTRHKIVHTGKPYKCEECGKAFKRSTLTKH  
 KRIYTKKPYKCEECGKAFVSVSTLTKHKIHTGAKPYKCEECGSAFRAFSTLTEHKRVHTGKPYKNE  
 CGKAFNWSSTLTKHKRIHTGKPYKCEECGKAFNRSSNLTRHKIHTGKPYKPKRCDFAFDNTPNFSRH  
 KRNHMGEKS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_021148

**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\\_021148.2](#), [NP\\_066971.2](#)

**RefSeq Size:** 4325 bp

**RefSeq ORF:** 1710 bp

**Locus ID:** 10793

**UniProt ID:** [Q14593](#)

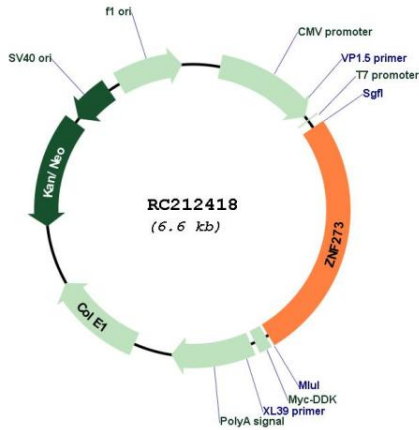
**Cytogenetics:** 7q11.21

**Protein Families:** Transcription Factors

**MW:** 64.8 kDa

**Gene Summary:** This gene is a member of the krueppel C2H2-type zinc-finger protein family and encodes a protein with 13 C2H2-type zinc fingers and a KRAB domain. This nuclear protein is involved in transcriptional regulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC212418