

## Product datasheet for **RC209422**

### ZNF573 (NM\_152360) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF573 (NM_152360) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF573
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC209422 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGTCTTGCTCTGTGCGCACAGGCTGGAGTGCAGTGGCCCGATCTCAGCTCACTGCAACCTCCGCCTC  
 CCAGGTTCAAGCAATTCTCCTGCCACAGCCTCCAAGTAGCTGGGATTACAGATTTGGATTTACAGTGTGA  
 GATAATCAGCTACATAGAAGTACCCACTTATGAAACAGATATATCCTCTACACAACCTCAGAGCATATAT  
 AAGAGAGAGAACTCTATGAATGTAAGAAATGTCAGAAGAAATTTAGTAGTGGTTATCAACTTATTCTAC  
 ATCACAGGTTTCATGTCATTGAGAGACCCTATGAATGCAAAGAGTGTGGGAAGAACTTCGTAAGTGGCTA  
 TCAACTTACTCTACATCAAAGATTTACTACTGGTGAAGAACCTATGAATGTACAGAATGTGGGAAGAAC  
 TTTAGAAGTGGTTATCAGCTGACTGTGCATCAGAGATTTACTACTGGTGAAGAAACCTATGAATGTAGGC  
 AGTGTGGGAAGGCCTTTATATATGCCTCACACATTGTTCAACATGAGAGAATTCACACTGGTGGGAAGCC  
 GTATGAATGTGAGAGTGTGGGAGGCCTTTAGTCAAGGTGGACATCTTAGAATTCATCAGAGAGTTCAT  
 ACTGGCGAAAAACCATATAAATGTAAGGAATGTGGGAAGACTTTTAGTAGGCGCTCAAATCTTGTTGAAC  
 ATGGGCAGTTTCATACTGATGAGAAGCCATACATATGTGAGAAATGTGGAAAGGCCTTTAGAAGAGGTCA  
 CCAGCTTACTGTACATCAGAGAGTTCACACTGGTAAAAAGCCATATGAGTGTAAAGAATGTGGGAAGGGC  
 TATACCACTGCCTCATACTTTCTTCTACATCAGAGAATTCATAAAGTGGAAAACCTATGAATGTAAGG  
 AGTGTAAAGAAAACCTTTACTTTGTATAGAAATCTTACTCGGCATCAGAATATTCATACTGGTGAAGAACT  
 TTTTGAATGCAAGCAATGTGGGAAGACCTATACTACTGGTTCAAACCTTTTCAACATCAGAAAACCTCAT  
 ACTGGCGAGAAAACCTATGAATGCAAGGAATGCGGAAAGGCCTTTAGCTTGTATGGTACCTTAAACAAC  
 ATCAGAAAATTCATACTGGCATGAAACACTTTGAATGTAAGGAGTGTAAAAAACCTTTACTTTGTATAG  
 AAATCTTACTCGACATCAGAATATTCACACTGGTAAGAAACTTTTTGAATGTGAGGAATGTGGGAAGGCC  
 TATAGTACTGGCTCAAACCTTATTCAACATCGGAAAACCTATACTGGTGAAGAAACCTATAAATGTAAGG  
 AATGTGGCAAGACCTTTAGCTTGCATGGATATCTTAATCAACATCAGAAAATTCATACTGGTGTGAAACC  
 CTATGAATGTAAGGTATGTAGAAAACCTTTACTTTCTATAGAAATCTTACTCTACATCAAAGTATTCAT  
 ACTGATGAGAAACCTTTTGAATGTAAGGAATGTGGGAAGACCTTTAGACGTAGTTCACACCTTACTGCAC  
 ATCAGAGCATTATGCTGATAAAAAACCTATGAATGTAAGAAATGTGGAAAGGCCTTTAAATGTATGG  
 CTACCTTACCAACATCAGAAAATTCATACTGGTGAAGAACTTATGAATGTAAGAAATGTGGGAAGGCC  
 TTCAGTCGTGCTTCAAACCTTGTCAACATGAGAGAATTCATACTGGTGAAGAAACCTATGTGTGTAAGC  
 AGTGTGGGAAAACCTTCAGATATGGTTCAGCCCTTAAAGCCATCAGAGAATTCATAGGAGCATAAAAGT  
 G

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC209422 protein sequence  
 Red=Cloning site Green=Tags(s)

MESCSVAQAGVQWPDLSLQPPPPRFKQFSCHSLQVAGITDLDLQCEIISYIEVPTYETDISSTQLQSIY  
 KREKLYECKKQKFFSSGYQLILHHRFHVIERPYECKEKGKFRSGYQLTLHQRFHTGEKPYECTECGKN  
 FRSGYQLTVHQRFHTGEKTYEQRQCGKAFIYASHIVQHERIHTGGKPYEQCEGGRFSSQGGHLRIHQRVH  
 TGEKPYKCEKCGKTFRRSNLVEHQFHTDEKPYICEKCGKAFRRGHQLTVHQRVHTGKKPYECKEKGK  
 YTTASYFLLHQRIHKGKPYECKEKKFTLYRNLTRHQNIHTGEKLFECKQCGKTYTTGSKLFQHQKTH  
 TGEKPYECKEKGKAFSLYGYLKQHQKIHTGMKHFECKEKKFTLYRNLTRHQNIHTGKLFECQECGKA  
 YSTGSNLIQHRKTHTEKPYKCEKCGKTFSLHGYNLQHQKIHTGVKPYECKVCRKTFYRNLTLHQSIH  
 TDEKPFECKEKGKTFRRSHLTAHQSIHADKPYECKEKGKAFKMYGYLTQHQKIHTGGKPYECKEKGK  
 FSRASNLVQHERIHTGEKPYVCKQCGKTFRYGSALKAHQRIHRSIKV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6832\\_e12.zip](https://cdn.origene.com/chromatograms/mk6832_e12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152360

**ORF Size:** 1821 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

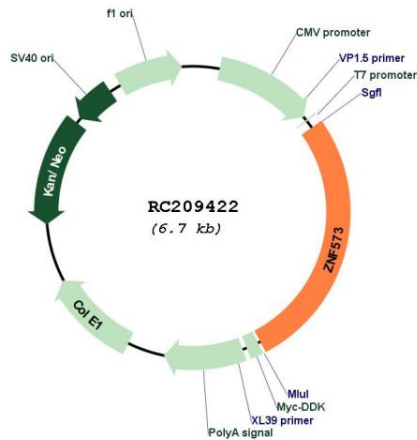
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_152360.2, NP\\_689573.2](#)  
**RefSeq Size:** 2516 bp  
**RefSeq ORF:** 1824 bp  
**Locus ID:** 126231  
**UniProt ID:** [Q86YE8](#)  
**Cytogenetics:** 19q13.12  
**Domains:** zf-C2H2  
**Protein Families:** Transcription Factors  
**MW:** 70.8 kDa  
**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC209422