

Product datasheet for **RG209422**

ZNF573 (NM_152360) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF573 (NM_152360) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF573
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209422 representing NM_152360
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGTCTTGCTCTGTGCGACAGGCTGGAGTGCAGTGGCCGATCTCAGCTCACTGCAACCTCCGCTC
 CCAGGTTCAAGCAATTCTCTGCCACAGCCTCCAAGTAGCTGGGATTACAGATTTGGATTTACAGTGTGA
 GATAATCAGCTACATAGAAGTACCCACTTATGAAACAGATATATCCTCTACACAACCTCAGAGCATATAT
 AAGAGAGAGAAACTCTATGAATGTAAGAAATGTCAGAAGAAATTTAGTAGTGGTTATCAACTTATTCTAC
 ATCACAGGTTTCATGTCATTGAGAGACCCTATGAATGCAAAGAGTGTGGGAAGAACTTTCGTAGTGGCTA
 TCAACTTACTCTACATCAAAGATTTACTACTGGTGAAGAACCTATGAATGTACAGAATGTGGGAAGAAC
 TTTAGAAGTGGTTATCAGCTGACTGTGCATCAGAGATTTACTACTGGTGAAGAACCTATGAATGTAGGC
 AGTGTGGGAAGGCCTTTATATATGCCTCACACATTGTTCAACATGAGAGAATTCACACTGGTGGGAAGCC
 GTATGAATGTGAGAGTGTGGGAGGCCTTTAGTCAAGGTGGACATCTTAGAATTCATCAGAGAGTTCAT
 ACTGGCGAAAAACCATATAAATGTAAGGAATGTGGGAAGACTTTTAGTAGGCGCTCAAATCTTGTTGAAC
 ATGGGCAGTTTCATACTGATGAGAAGCCATACATATGTGAGAAATGTGGAAAGGCCTTTAGAAGAGGTCA
 CCAGCTTACTGTACATCAGAGAGTTCACACTGGTAAAAAGCCATATGAGTGTAAAGAATGTGGGAAGGCC
 TATACCACTGCCTCATACTTTCTTCTACATCAGAGAATTCATAAAGTGGAAAACCTATGAATGTAAGG
 AGTGTAAAGAAAACCTTTACTTTGTATAGAAATCTTACTCGGCATCAGAATATTCATACTGGTGAAGAACT
 TTTTGAATGCAAGCAATGTGGGAAGACCTATACTACTGGTTCAAACTCTTTCAACATCAGAAAACCTCAT
 ACTGGCGAGAAAACCTATGAATGCAAGGAATGCGGAAAGGCCTTTAGCTTGTATGGTACCTTAAACAAC
 ATCAGAAAATTCATACTGGCATGAAACCTTTGAATGTAAGGAGTGTAAAAAACCTTTACTTTGTATAG
 AAATCTTACTCGACATCAGAATATTCACACTGGTAAAGAACTTTTGAATGTGAGGAATGTGGGAAGGCC
 TATAGTACTGGCTCAAACCTTATTCACATCGGAAAACCTATACTGGTGAAGAACCTATAAATGTAAGG
 AATGTGGCAAGACCTTTAGCTTGCATGGATATCTTAATCAACATCAGAAAATTCATACTGGTGTGAAACC
 CTATGAATGTAAGGTATGTAGAAAAACCTTTACTTTCTATAGAAATCTTACTCTACATCAAAGTATTCAT
 ACTGATGAGAAACCTTTTGAATGTAAGGAATGTGGGAAGACCTTTAGACGTAGTTCACACCTTACTGCAC
 ATCAGAGCATTATGCTGATAAAAAACCTATGAATGTAAGAAATGTGGAAAGGCCTTTAAATGTATGG
 CTACCTTACCAACATCAGAAAATTCATACTGGTGGAAAACCTTATGAATGTAAGAAATGTGGGAAGGCC
 TTCAGTCGTGCTTCAAACCTTGTCAACATGAGAGAATTCATACTGGTGAAGAACCTATGTGTGTAAGC
 AGTGTGGGAAAACCTTCAGATATGGTTCAGCCCTTAAAGCCCATCAGAGAATTCATAGGAGCATAAAAGT
 G

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG209422 representing NM_152360
 Red=Cloning site Green=Tags(s)

MESCSVAQAGVQWPDLSLQPPPPRFKQFSCHSLQVAGITDLDLQCEIISYIEVPTYETDISSTQLQSIY
 KREKLYECKKCKKQKFSQYQLILHHRFHVIERPYECKEKGKFNFRSGYQLTLHQRFHTEGKPYECTECGKN
 FRSGYQLTVHQRFHTEGKTYEQRQCGKAFIYASHIVQHERIHTGGKPYEQECGRAFSQGGHLRIHQRVH
 TGEKPYCKECKGTFRRSNLVEHGQFHTDEKPYICEKCGKAFRRGHQLTVHQRVHTGKKPYECKECKGK
 YTTASYFLLHQRIHKGKPYECKECKKFTLYRNLTRHQNIHTGEKLFECKQCGKTYTTGSKLFQHQTHT
 TGEKPYECKECKGKAFSLYGYLKQHQKIHTGMKHFECKECKKFTLYRNLTRHQNIHTGKLFECQECGKA
 YSTGSNLIQHRKTHTEGKPYCKECKGKTFSLHGYLNQHQKIHTGVKPYECKVCRKTFTFYRNLTLHQSIIH
 TDEKPFECKECKGTFRRSSHLTAHQSIHADKPKPYECKECKGKAFKMYGYLQHQKIHTGGKPYECKECKGA
 FSRASNLVQHERIHTGKPYVCKQCGKTFRYGSALKAHQRIHRSIKV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

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 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: 2501 bp
 RefSeq ORF: 1824 bp
 Locus ID: 126231
 UniProt ID: [Q86YE8](#)
 Cytogenetics: 19q13.12
 Domains: zf-C2H2
 Protein Families: Transcription Factors
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209422