

Product datasheet for **RG239079**

ZNF274 (NM_001278734) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF274 (NM_001278734) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF274
Synonyms:	HFB101; ZF2; ZKSCAN19; ZSCAN51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239079 representing NM_001278734.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTGGAGAACTACAGGAACCTGGTCTCAGTGGAAACATCAGCTTCCAAACCAGATGTGGTATCTCAG
TTAGAGGAGGCAGAAGATTTCTGGCCAGTGGAGAGAGGAATTCCTCAAGACACCATTCCAGAGTATCCT
GAGCTCCAGCTGGACCCTAAATTGGATCCTCTTCTGCTGAGAGTCCCCTAATGAACATTGAGGTTGTT
GAGGTCCTCACACTGAACCAGGAGGTGGCTGGTCCCCGGAATGCCAGATCCAGGCCCTATATGCTGAA
GATGGAAGCCTGAGTGCAGATGCCCCAGTGAGCAGGTCCAACAGCAGGGCAAGCATCCAGGTGACCCT
GAGGCCGCGCCAGAGGTTCCGGCAGTCCGTTATAAGGACATGACAGGTCCCCGGGAGGCCCTGGAC
CAGCTCCGAGAGCTGTGCACCAGTGGCTACAGCCTAAGGCACGCTCCAAGGAGCAGATCCTGGAGCTG
CTGGTCTGGAGCAGTCTCAGGTGCACTCCTGTGAAGCTCCGACATGGTGGAAATCGCAGCACCCA
GAGAACTGCCAAGAGGTGGTGGCCCTGGTAGAGGGTGTGACCTGGATGTCTGAGGAGGAAGTACTTCT
GCAGGACAACCTGCCGAGGGCACCCTGCTGCCTCGAGGTCACTGCCCAGCAGGAGGAGAAGCAGGAG
GATGCAGCCATCTGCCAGTGCAGTGCCTCGAGGAGCAGTACCTTCCAGGATGTGGCTGTGGAC
TTCAGCCGGGAGGAGTGGGGCTGCTGGGCCCGACACAGAGGACCGAGTACCGCGATGTGATGCTGGAG
ACCTTTGGGCACCTGGTCTCTGTGGGTGGGAGACTACACTGGAAAAATAAGAGTTAGCTCCAAATTCT
GACATTCCTGAGGAAGAACCCAGCCCCAGCCTGAAAGTACAAGAACTCTCAAGGGATTGTGCCTGTCC
TCTACATTAGAAGATACCTTGCAGGGTGGGGTCCAGGAAGTCCAAGACACAGTGTGAAGCAGATGGAG
TCTGCTCAGGAAAAGACCTTCTCAGAAGAAGCACTTGACAACCGTGAGTCCCAGGCAAAACAGTGGT
GCTCTTGACACAAACCAAGTTTCGTCCAGAAAATTCCTCCTAGAAAACGATTGCGCAACCGTGACTCACA
GTTAAAAGTATGAAACATAATTCACGTGTAAAAAATTCATCAGAAGAGCTGTGAAAGGCAAAAGGCCAAG
GAAGGCAATGGTTGTAGGAAAACCTCAGTCGGAGTACTAAACAGATTACGTTTATAAGAATTCACAAG
GGGAGCCAAGTTTGCCGATGCAGTGAATGTGGTAAAAATATCCGGAACCAAGATACTTTCTGTGCAT
AAGAAAAATCCATACCGGAGAGAGGCCCTATGTGTGTCAAGACTGTGGAAAGGATTTGTTCAGAGCTCT
TCCCTCACACAGCATCAGAGAGTCATTCTGGAGAGAGACCATTGAATGTCAGGAGTGTGGGAGGACC
TTCAATGATCGCTCAGCCATCTCCAGCACCTGAGGACTCACACTGGCGTAAGCCCTACAAGTGCAG
GACTGTGAAAAGCCTTCCGCCAGAGCTCCACCTCATCAGACATCAGAGGACTCACACCCGGGAGCGC
CCATATGCATGCAACAAATGTGGAAAGGCCTTCACCCAGAGCTCACACCTTATTGGGCACCAGAGAAC
CACAATAGGACAAAGCGAAAGAAGAAACAGCCTACCTCA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG239079
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MLENYRNLVSVEHQLSKPDVVSQLEEAEDFWPVERGIPQDTIPEYPELQLDPKLDPLPAESPLMNIEVV
EVLTLNQEVAGPRNAQIQALYAEDGSLADAPSEQVQQQKHPGDPEAARQRFQFRYKDMTGPREALD
QLRELCHQWLQPKARSKEQILELLVLEQFLGALPVKLRTWVESQHPENCQEVVALVEGVTWMSEEEVLP
AGQPAEGTTCCLEVTAQQEEQEDAAICPVTVLPEEPVTFQDVAVDFSREEWGLLGPTQRTEYRDVMLE
TFGHLVSVGWETTLENKELAPNSDIPEEEPAPSLKVQESSRDCALSSTLEDTLQGGVQEVQDTVLKQME
SAQEKDLPQKKHFDNRESQANSGALDTNQVSLQIDNPESQANSGALDTNQVLLHKIPPRKRLRKRDSQ
VKSMKHNSRVKIHQKSCERQKAKEGNGCRKTFSRSTKQITFIRIHKGSQVCRCSECKIFRNPRYFSVH
KKIHTGERPYVCQDCGKGFVQSSLTQHQRVHSGERPFECQECGRTFNDRSAISQHLRTHTGAKPYKCQ
DCGKAFRQSSHLIRHQRTHTGERPYACNKCGKAFTQSSHLIGHQRTHNRKRKKKQPTS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNATVEHLHMPGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

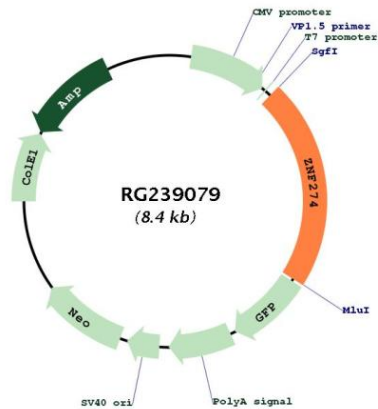
SgfI-MluI

Cloning Scheme:


- ACCN:** NM_001278734
- ORF Size:** 1833 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).
- RefSeq:** [NM_001278734.1](#), [NP_001265663.1](#)
- RefSeq Size:** 2905 bp
- RefSeq ORF:** 1836 bp
- Locus ID:** 10782
- UniProt ID:** [Q96GC6](#)
- Cytogenetics:** 19q13.43
- Protein Families:** Transcription Factors
- Protein Pathways:** Neurotrophin signaling pathway
- MW:** 69.8 kDa

Gene Summary:

This gene encodes a zinc finger protein containing five C2H2-type zinc finger domains, one or two Kruppel-associated box A (KRAB A) domains, and a leucine-rich domain. The encoded protein has been suggested to be a transcriptional repressor. It localizes predominantly to the nucleolus. Alternatively spliced transcript variants encoding different isoforms exist. These variants utilize alternative polyadenylation signals. [provided by RefSeq, Jul 2008]

Product images:

Circular map for RG239079