

Product datasheet for **RG239702**

ZMIZ2 (NM_001300959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMIZ2 (NM_001300959) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZMIZ2
Synonyms:	hZIMP7; NET27; TRAFIP20; ZIMP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239702 representing NM_001300959.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAACTCCATGAACCCCATGAAACCTGCCCTGCCCCCTGCGCCACACGGTGATGGTTCATTTCGCATAT
GAGTCTGTGCCCTTGCAACAAAGCGCCACTCAGCCGGCTGGATCGCTGTCTGTGGTCACTACTGTGTGG
GGAGTTGGCAACCGACACAGAGCCAGTGCCTGGGACAGCAGGCGTTTGCTGAAGGCGGCCCAACAAG
GGCTACGTGCAGCAAGGCGTGTACAGCCCGGGGGCTACCTGGGGCCCCGGCTTACCACCGGGTAT
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GCAGCTGTGCAGCTGTGGCTGTGCGGCAGCCACTGCCACCGCCACAGCCACAGCCACCGTGGCTGCT
CTCCAGGAGAAGCAGAGCCAGGAGCTGAGCCAGTATGGAGCGATGGGGGCCGGACAGTCTTTAACAGC
CAGTTTCTGCAGCATGGAGTCCCGGGGGCTAGTGTCCCGCTGGCATGAACCCTACTGGCATAGGA
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TTGATGCAGGGCAGCGTCTGCCCAACATGGGTATCCTGGGCCTCCCCAGGCCAGCCACTGCCCGA
CAGGGGTCAAGAGAACCTACTCTGAGGTGTATCCAGGGCAGCAGTATCTGCAAGGAGGCCAGTATGCA
CCCAGCACCGCCAGTTTGCGCCAGCCCTGGGCAGCCCCCTGCCCTCCCTTCTACCTGGGCAC
AGGCTGCCCTGCAGCAGGGCATGACCCAGTCCCTGTCCGTGCCTGGCCCCACGGGACTGCATTATAAG
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CAGTCTGCAGACTCAGTCTACAAGACCCTGATAATGAGGCCTGACCTGGAGCTGCAATCAAGTAC
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CCCCAGCGTCCCGCAGTCTTGGGCCAAGCAGCTTAGGACCTACGGGTGAAGTGGCCTTCAGTCT
GCCACAGGCGTGTGGGGCCCCAGCATGTCTGGAGCCGGGAGGCCCCAGAACCAGCTCTGGACCTG
CTCCCGAACTGACCAACCCTGATGAGCTACTGTCTACTTGGGCCACCCGACCTCCCTACGAACAAC
AATGACGACCTGCTTTCTGTTTGAGAACAAC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239702
 Blue=ORF Red=Cloning site Green=Tag(s)

MNSMNPMPALPPAPHGDGSFAYESVPWQQSATQPAGSLSVVTTVWGVGNATQSQCLGQQAF AEGGANK
 GYVQQGVYSRGGYPGAPGFTTGYAGGPGGLGLPSHAARPSTDFQAAAAA VAAAAATATATATVAA
 LQEKQSQELSQYGAMGAGQSFNSQFLQHGGPRGSPVAGMNPTGIGGVMGPSGLSPLAMNPTRAAGMTP
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 RLPLQQGMTQSLSVPGPTGLHYKPTRSIPGYPSSPLPGNPTPPMTPSSSVPYMSPNQEVKSPFLPDLKP
 NLNSLHSSPSGSGPCDELRLTFPVRDGVVLEPFRLQHNLA VSNHVFQLRDSVYKTLIMRPDLELQFKCY
 HHEDRQMNTNWPASVQSVNATPLTIERGDNKTS HKPLYLKHVCQPGRNTIQITVTACCCSHLFVLQLV
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 ARGHDCRHIQCFDLESYLQNCERGTWRCPVCNK TALLEGLEVDQYMLGILIIYIQNSDYEEITIDPTCS
 WKPVPVKPDMHIKEEPPGALKRCRTVSPAHLMP SVMEMIAALGPGAAPFAPLQPPSVAPSDYPGGQ
 SSFLGPGTFPESFPPTTPTLAFTPGPPPISYQSDIPSSLLTSEKSTACLPSQMAPAGHLDPHTNP
 GTPGLHTSNLGAPPGPQLHHSNPPASRQSLGQASLGPTGELAFSPATGVMGPPSMSGAGEAPEPALDL
 LPELTPDELLSYLGPPDLPTNNDDLLSLFENN
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
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 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001300959

ORF Size: 2586 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_001300959.1](#), [NP_001287888.1](#)

RefSeq Size: 4983 bp

RefSeq ORF: 2589 bp

Locus ID: 83637

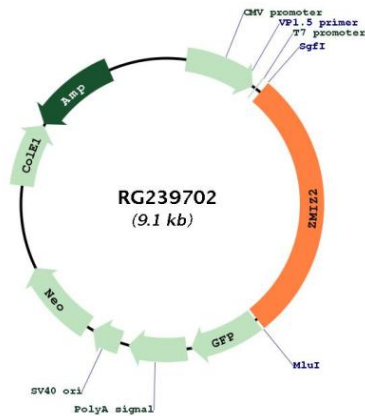
UniProt ID: [Q8NF64](#)

Cytogenetics: 7p13

MW: 91.6 kDa

Gene Summary: ZMIZ2 and ZMIZ1 (MIM 607159) are members of a PIAS (see MIM 603566)-like family of proteins that interact with nuclear hormone receptors. ZMIZ2 interacts with androgen receptor (AR; MIM 313700) and enhances AR-mediated transcription (Huang et al., 2005 [PubMed 16051670]).[supplied by OMIM, May 2010]

Product images:



Circular map for RG239702