

Product datasheet for **RG224056**

ZMIZ2 (NM_174929) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMIZ2 (NM_174929) 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:

>RG224056 representing NM_174929
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCTCCATGAACCCCATGAAACCTGCCTGCCCCCTGCGCCACACGGTGATGGTTTCATTCGCATATG
 AGTCTGTGCCTTGGCAACAAAGCGCCACTCAGCCGGCTGGATCGCTGTCTGTGGTCACTACTGTGTGGG
 AGTTGGCAACGCGACACAGAGCCAGTTTTGGGGAACCCCATGGGCCCTGCAGGGAGTCCCTCTGGCAGC
 TCCATGATGCCTGGTGTGGCAGGGGGCAGCTCCGCCTTGACCTCCCCACAGTGCCTGGGACAGCAGGCGT
 TTGCTGAAGGCGGCGCCAACAAGGGCTACGTGCAGCAAGGCGTGTACAGCCGCGGGGGCTACCCTGGGGC
 CCCCAGCTTACCACCGGGTATGCAGGCGGCCCGGGGGCCTGGGCTCCCTCACATGCTGCAAGACCC
 TCCACTGACTTACGCAAGCGGCAGCTGCTGCAGCTGTGGCTGCTGCGGCAGCCACTGCCACCGCCACAG
 CCACAGCCACCGTGGCTGCTCTCCAGGAGAAGCAGAGCCAGGAGCTGAGCCAGTATGGAGCGATGGGGC
 CGGACAGTCTTTAACAGCCAGTTTCTGCAGCATGGAGGTCCCGGGGGCCTAGTGTCCCGCTGGCATG
 AACCTACTGGCATAGGAGGGGTAAATGGGCCCTCTGGCTCTCCCTTGGCTATGAACCCACCCGGG
 CAGCAGGAATGACACCCTTGTATGCAGGGCAGCGTCTGCCCAACATGGGTATCCTGGGCCCTCCCGAGC
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 CCTACCCTGGGCACAGGCTGCCCTGCAGCAGGGCATGACCCAGTCCCTGTCCGTGCCTGGCCCCACGGG
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 CCCATGACCCCAAGCAGCAGCGTCCCTTACATGTCACCAAAACAAGAGGTCAAGTCTCCCTCTTGCCTG
 ATCTCAAGCCCAACCTCAACTCCTTGCACTCATGCCCTCTGGAAGCGGGCCTTGTGACGAGTTGGAGCT
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 CATGTCTTCCAGCTGCGAGACTCAGTCTACAAGCCCTGATAATGAGGCCTGACCTGGAGCTGCAATTCA
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 TAGTGCACCGCCATCCGTCGGTGTGCAGGGCCTCTCAAAAAGCGCCTCTGCCTGCTGAGCA
 CTGCATCACCAAGATAAAGCGGAACTTCCAGCAGCGGCACCATCCCTGGCACCCCTGGGCCAACGGAGAG
 GACGGGGTGGAGCAGACAGCTATCAAGGTGTCCCTGAAGTGCCCCATCACCTCCGAGGATCCAGTCC
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 CCGCACCGTGAGCCCCGCCACGTGCTCATGCCAGCGTGATGGAGATGATCGCCGCCCTGGGCCCGGC
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 GCTTCTGGGGCCTGAACTTTCCCTGAGTCTTCCCACCCACCGCCAGCACCACCCCTTGTGTA
 GTTACCCCGGGACACCCCCATCTCCTACCAGTCTGACATTCAGCAGCCTCCTGACTTCAAGAGAAG
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 CAGGACTACACACCTCCAACCTTGGGGCCCTCCAGGTCCCAGCTGCACCATTCAAACCTCCCCAGC
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 GTGATGGGGCCCCCAGCATGTCTGGAGCCGGGAGGCCCCAGAACCAGCTCTGGACCTGCTCCCGAAC
 TGACCAACCTGATGAGTACTGTCTACTTGGGCCACCCGACCTCCCTACGAACAACAATGACGACCT
 GCTTTCTGTTGAGAACAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224056 representing NM_174929
 Red=Cloning site Green=Tags(s)

MNSMNPMPALPPAPHGDGSFAYESVPWQQSATQPAGSLSVVTTVWGVGNATQSQVLGNPMGPAGSPSGS
 SMMPGVAGSSALTSPQCLGQQAFAEGGANKGYVQQGVYSRGGYPGAPGFTTGYAGGPGGLGLPSHAARP
 STDFTQAAAAAATAATATATATVAALQEKQSQELSOYGAMGAGQSFNSQFLQHGGRGSPVPAGM
 NPTGIGGVMGPGSGLSPLAMNPTRAAGMTPLYAQRLPQHGYGPPQAQPLPRQGVKRTYSEVYPGQQYLQ
 GGQYAPSTAQFAPSPGPPAPSPSYPGHRLPLQQGMTQSLVPGPTGLHYKPTRSIPGYPSPLPGNPTP
 PMTPSSSVPYMSPNQEVKSPFLPDLKPNLNSLHSSPSGSGPCDELRLTFPVRDGVVLEPFRLQHNLAASN
 HVFQLRDSVYKTLIMRPDLELQFKCYHHEDRQMNTNWPASVQVSVNATPLTIERGDNKTSKPLYLKHC
 QPGRNTIQITVTACCSHLFVLQLVHRPSVRSVLQGLLKKRLLPAEHCITKIKRNFSSGTIPGTPGNGE
 DGVEQTAIKVSLKCPITFRRIQLPARGHDCRHIQCFDLESYLQLNCRGTWRCPCVNCNTALLEGLEVDQY
 MLGILIYIQNSDYEEITIDPTCSWKVPVVKPDMHIKEEPPDGPALKRCRTVSPAHLMPVSMEMIAALGPG
 AAPFAPLQPPSVPAPSDYPGQSSFLGPGTFPESFPPTTPSTPTLAEFTPGPPPISYQSDIPSSLLTSEK
 STACLPSQMAPAGHLDPHTNPGTPGLHTSNLGAAPPQQLHHSNPPASRQSLGQASLGPTGELAFSPATG
 VMGPPSMSGAGEAPEPALDLLPELTNPDELLSYLGPPDLPTNNDDLLSLFENN

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

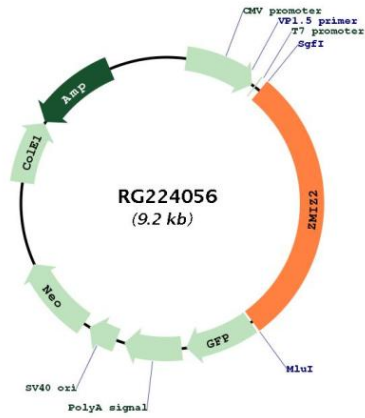
Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:	NM_174929
ORF Size:	2682 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:	<ol style="list-style-type: none">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_174929.2 , NP_777589.2
RefSeq Size:	5020 bp
RefSeq ORF:	2685 bp
Locus ID:	83637
UniProt ID:	Q8NF64
Cytogenetics:	7p13
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 RG224056