

Product datasheet for **SC319274**

ZNF503 (NM_032772) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF503 (NM_032772) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF503
Synonyms:	Nlz2; NOLZ-1; NOLZ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032772.3
 CCGCGAGCCGCCCGGCACTCCCGCAGTCCAGCCGGCTCCTCTAGCCCGGCCACGGCTCCG
 CTGCGGGCCACCCAGGATTACTCGGTCTGGCTCCAGGCGCCGAGAAGGCGCGCTGGGCG
 CCCGTGGCCGCCCGCCAGCTCCTCCTCCCCTGCTCCTGCTCCCGGGGCGAGCGCG
 CAGCCCCGAGCCCGCCCGCCCTCCCGAGCCCTCCCCCGCTGCTCCCATGCGCGCG
 GGTGGGTATGAGCACAGCGCCCTCGCTTTCTGCCCTAAGAAGCAGTAAGCACAGCGCG
 GCGCGCGCGGAGGCGGAGGCGGCTGCAGACCCTGCCTGGACCAGCGCGCTCTCTG
 GAAATAGCTCCGCCCCCGGCCAGGCTCGTCCCGGCGGCGAGCACCAAGCCTTTTGTGC
 ACGCCGTGCCCCCTCTGACCCCTGCGCCAGGCCAACCGCTGCCAATCAAGGTGCTGA
 AGATGCTGACGGCACGAAGTGGCCACATTTTGCACCCGAGTACCTGCAGCCCTGCCTT
 CCACGCCGGTCCAGCCCCATCGAGCTCGATGCCAAGAAGAGCCCGTGGCGCTGTTGGCG
 AAACATGTTTCGAGATCGGGAAGCCGACCCCTCGCCCTCTCCAACTCTCTCGGTTG
 CCTCAACGGGGCGCGCGGGCGGTGCCGGCGGCGTGTGCGGGGACAAGGACACCA
 AATCGGGCCCCCTGAAGCTGAGCGACATCGGCGTGGAGGACAAGTCGAGTTTCAAGCCGT
 ACTCCAAACCCGCTCGGATAAGAAGGAGCCGGGAGGCGCGGTGGAGGCGGTGGCGGTG
 GCGGGGCGGCGCGGGGGTGTTCGTGCGAGAAGTCGGGATTCCGGGTACCGAGCGCCA
 CCTGCCAGCCATTACGCCCCAGGACAGGCGAGCCGAGCTCCAGCGCTCGGCCTGCTCGC
 CGGGAGGTATGCTGCTCCTCGGCCGGGGTGCCTCGGAGGGCAAGGACGACAAGAAAGACA
 CCGACGTGGGCGCGGTGGCAAGGGCACCGGGGGCGCCTCGGCCGAAGGGGGACCCACGG
 GGCTGGCACACGGCCGGATTAGCTGCGGCGGGGATTAATGTGGATGTGAACAGCATC
 CGGATGGGGGCCCGGAGGCAAGGCTCTGGGCTCGGACTGCGGCGTTTATCGGGCTCCA
 GCTCCGGTCCGGCCCCAGCGCGCCACCTCCTCCTCAGTGTGGGCTCTGGGCTGGTGG
 CTCCCCTCACCTACAAGCGGGCCAGACAGTGTCCCTCTGCCTCCCGCGGTATGA
 CCTACCCAGCGACCTGGCCGGGGCCTACGCCGCTACCGCCCCAGTTTCTGCCACAG
 GCGTGGCACTTGACCCACCAAGCCGGGACGCTGGTGGGGGCGAGCTGGCGGGCGCG
 CGGCCGGTCTCTGGGCTGACGTAAGCCGGCGGCTCCAGTCTTTGGCCGAGCGTCTC
 CGCCGTCCGTGATGACAGCCAGTTTGTGCCGGGACCCCTACTGCCTCAGTACCCTGCG
 CTAGCCACTGGCAGGGGCGGCGCCAGCGCTTCTTGCACATGATCCGGTGTG
 CGGCTGCGGCGTGAAGTCGGATACCCGCTGGTGTACCCACGACCCCGCTGCACGGT
 TGCACTCTCGTAACGGCCGCCGGCTGCTGGCGCCACACCCCTCCCTGGCCGGCC
 ACCCCCTCTACCCCTACGGCTTTATGCTCCCTAACGACCCACTCCCCACATCTGCAACT
 GGGTGTGGCCAACGGGCGGTGCGACAAGCGCTTCGCCACGTCCGAAGAGCTGCTGAGCC
 ACTTGGGACCCATACGGCATTTCCTGGGACAGACAAACTGCTGTGCGGGTACCCAGCT
 CGTCGTCTCTGGCCAGCGCTGCCGCGGCCCATGGCTTGCCACATGCACATCCCCACCT
 CGGGCGCACCGGGCAGCCCTGGGACGCTGGCGCTGCGAGCCCCACCACGCGTGGGAC
 TCAGCAGCCGCTACCACCCTACTCCAAGAGCCCGCTTCCACGCTGGCGCCCCCGTGC
 CGGTGCCCCGCCACCGGACCGTACTACTCCCCCTACGCCCTTACGGACAGAGACTGA
 CCACCGCTCGGCGTGGGTATCAGTGAGGGCGGCGGGAGGGCGAGCGAGGGAGAGGA
 GGGAGAGGGGGAGGGGAGGAGTCCAGGGAGAGGCGGGATCACGGCCAGGCTGCTGACAC
 CCGCGCGTGGGGAGGACTCGGGCCACGAAAGGAAAGAAATGTATACCGTATCTATAC
 CGACAGCAGCAGCCGAGACCCGGTGGGACACTCCCTTCTCCCCACTTTACCTCCCCAC
 CCAAACCTTATAAAAAGTTGAAAAAATATCATTGACTTTTTATAGAAAAAAAAGGAAAA
 AATAATTGAGAAAGTGTTCATCTGAGGACTGCATCGGTGGACACTGGTATTTATTTATGT
 TAGCTCCAAGCGGACCGGTGGTTCAAAGTGCATTATTTAGTTTGGAGCTCTGTAGGTAA
 AAGGAGTGGGAAAAATTTAAACTTGAGGGTAAAAATGTGGAAAAACAAACCCTCCCAT
 CCCTTGTAGATTATAAATAAAAGCAAAACCGCCACAGAACTAGAGGTCTTCTCTTAATG
 TTACTTTAAAATTGCTATGATTGTATTGACGTTATTTAATGTCTGATTGAAACACAAT
 TTACATGCATGTTTGTACAAAAAATAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_032772

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_032772.3](#), [NP_116161.2](#)

RefSeq Size: 2798 bp

RefSeq ORF: 1941 bp

Locus ID: 84858

UniProt ID: [Q96F45](#)

Cytogenetics: 10q22.2

Gene Summary: May function as a transcriptional repressor.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (1) represents the longer transcript and encodes the protein.
 Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.