

Product datasheet for **RC202550**

ZNF503 (NM_032772) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF503 (NM_032772) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF503
Synonyms:	Nlz2; NOLZ-1; NOLZ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC202550 representing NM_032772
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCACAGCGCCCTCGCTTTCTGCCCTAAGAAGCAGTAAGCACAGCGCGCGCGCGCGCGGAGGCG
 GAGGCGCGGTGCAGACCCTGCCTGGACCAGCGGCTCTCTGAAATAGCTCCGGCCCCGGCCAGGCTC
 GTCCCCGGCCGGCAGCACCAAGCCTTTTGTGCACGCCGTGCCCCCTCTGACCCCTGCGCCAGGCCAAC
 CGCCTGCCAATCAAGGTGCTGAAGATGCTGACGGCACGAAGTGGCCACATTTTGCACCCCGAGTACCTGC
 AGCCCTGCCTCCACGCCGGTCAAGCCATCGAGCTCGATGCCAAGAAGAGCCCGTGGCGCTGTTGGC
 GCAAACATGTTTCGAGATCGGGAAGCCGACCCCTCGCCCTCTCCAACCTCTCTCGGTTGCTCCAAC
 GGGGGCGCGCGCGGTGCCGGCGCGGTGCTGCGGGGACAAGGACACCAAATCGGGCCCCCTGAAGC
 TGAGCGACATCGGCGTGGAGGACAAGTCGAGTTTCAAGCCGTAATCCAACCCGGCTCGGATAAGAAGGA
 GCCGGGAGGCGCGGTGGAGGCGTGGCGTGGCGGGGGCGCGCGGGGGTGTTCGTCGGAGAAGTCG
 GGATCCGGGTACCGAGCGCCACCTGCCAGCATTACAGCCAGGACAGGACGCCGAGCTCCAGCGCCT
 CGGCTGCTCGCCGGGAGGTATGCTGTCCTCGGCCGGGGTGCCCGGAGGGCAAGGACGACAAGAAAGA
 CACCGACGTGGGCGCGGTGCCAAGGGCACCGGGGCGCCTCGGCCGAAGGGGGACCCACGGGGTGGCA
 CACGGCCGGATTAGTGCGGCGCGGATTAATGTGGATGTGAACCAGCATCCGGATGGGGGCCGGGAG
 GCAAGGCTCTGGGCTCGGACTGCGGCGGTTTCATCGGGTCCAGCTCCGGTCCGGCCCCAGCGCGCCAC
 CTCTCTCAGTGTGGGCTCTGGGCTGGTGGCTCCCGTGTACCCCTACAAGCCGGGCCAGACAGTGTTC
 CCTTGCCTCCCGCGGTATGACCTACCCAGGACGCTGGCCGGGCTACGCCGGTACCCGCCCAGT
 TCCTGCCACAGCGGTGGCACTTGACCCACCAAGCCGGCAGCCTGGTGGGGGCGAGCTGGCGCGCGC
 CGCGGCCGGTCTCTGGGCTGCAGTAAGCCGGCCGGCTCCAGCCCTTTGGCCGGAGCGTCTCCGCGTCC
 GTGATGACAGCCAGTTTGTGCCGGGACCCCTACTGCCTCAGTACCACTGCGCTAGCCACCTGGCAGGGG
 CGGCGGCCCGCAGCGCTTCTTGCACATGATCCGGTCTGCGGCTGCGGCGTGAAGTCCGGATACCC
 GCTGGTGTACCCACGCACCCGCTGCACGGTGTGCACTCTCGTAACGGCCGCCGCGGCTGCTGGCGCC
 ACACCGCCCTCCCTGGCCGGCCACCCCTCTACCCCTACGGCTTATGCTCCCTAACGACCCACTCCCC
 ACATCTGCAACTGGGTGTCGGCAACGGGCGTGCACAAGCGCTTCGCCAGTCCGAAGAGCTGCTGAG
 CCATTGCGGACCATAACGCATTTCCCGGACAGACAACTGCTGTGGGCTACCCAGCTCGTCTGCT
 CTGGCCAGCGCTGCCGCGCCCATGGCTTGCCACATGCACATCCACCTCGGGCGCACCGGCAGCC
 CTGGGACGCTGGCGCTGCGCAGCCCCACACGCGCTGGGACTCAGCAGCCGCTACCACCCCTACTCAA
 GAGCCCGTTCACAGCCTGGCGCCCCGTGCCGGTGCCGCGCCACCGGACCGTACTACTCCCCCTAC
 GCCCTCTACGGACAGAGACTGACCACCGCCTCGGCGTGGGGTATCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC202550 representing NM_032772
 Red=Cloning site Green=Tags(s)

MSTAPSLSALRSSKHSGGGGGGGGGADPAWTSALSGNSSGPGPGSSPAGSTKPFVHAVPPSDPLRQAN
 RLPKIKVLKMLTARTGHILHPEYLQPLPSTPVSPIELDAKKSPLALLAQTCSQIGKPDPPSSKLSVASN
 GGGAGGAGGGAAGDKDTKSGPLKLSDIGVEDKSSFKPYSKPGSDKKEPGGGGGGGGGGGGGVSEKS
 GFRVPSATCQPFPTRTGSPSSASACSPGMLSSAGGAPEGKDDKDDTDVGGGGKGTGGASAEGGPTGLA
 HGRI SCGGGINVDVNHQPDGGPGKALGSDCGSSSGSSGSPSAPTSVLSGLVAPVSPYKPGQTVF
 PLPPAGMTYPGSLAGAYAGYPPQFLPHGVALDPTKPGSLVGAQLAAAAAGSLGCSKPAGSSPLAGASPPS
 VMTASLCRDPYCLSYHCASHLAGAAAASASCAHDPAAAAAALKSGYPLVYPHPLHGVSSTLAAAAAGA
 TPPSLAGHPLYPYGFMLPNDPLPHICNWSANGPCDKRFATSELLSHLRTHTAFFPGDKLLSGYPSSSS
 LASAAAAAMACHMHIPTSGAPSPGTLALRSPHHALGLSSRYHPYKSPLETPGAPVVPVPAATGPYYSPY
 ALYGQRLTTASALGYQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8112_d10.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_032772

ORF Size: 1938 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_032772.6](#)

RefSeq Size: 3198 bp

RefSeq ORF: 1941 bp

Locus ID: 84858

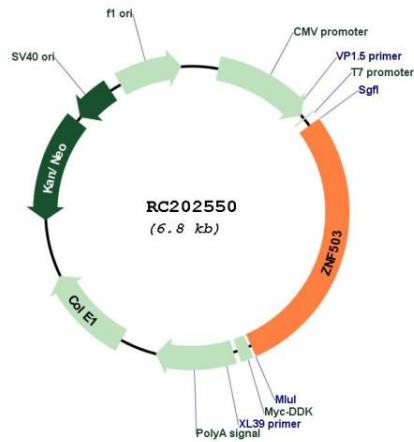
UniProt ID: [Q96F45](#)

Cytogenetics: 10q22.2

MW: 62.6 kDa

Gene Summary: May function as a transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC202550