

Product datasheet for **RG204579**

ZNF501 (NM_145044) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF501
Synonyms:	ZNF; ZNF52
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204579 representing NM_145044
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATCCAGCCAAATATCACTCAGAATGAAACATGGGAGAGTTAACATGCAGAAGAAACCTTCAAAGT
GTAGTGAATGTGGGAAGTTCTTTACTCAGAGATCATCTTTACCCAGCACCAGAGGATTCACAGAGGAGA
GAAGCCCTATGTGTGCAGTGAATGTGGAAGTTGTTCCGTAAACAGTCAAATCTTACTCAACATCTGAGA
ATTCATACCGGAGAGAAACCTTATAATGTAATGAATGTGAGAAAGCCTTCAAACAAAAGCAATCTTG
TTCAGCATCTGAGAATTCATACTGGAGAGAAACCTATAAATGCAATGAATGTGGAAGCCTTTTGTC
GAGCCCATCCCTTATTAACACCAGCGAATTCATACTGGAGAGAAACCATATAAATGTACAGAATGTGGC
AAAGCCTTCAGTCAGAGCATATGCCTTACTCGTCATCAGAGAAGTCATTCTGGAGATAAACCTTTTAAGT
GTAATGAATGTGGGAAGCCTTTAATCAGAGTGCATGTCTCATGCAGCATCAGAGAATTCATTGAGGAGA
GAAGCCCTACACATGCACTGAATGTGTAAGCCTTCACTCAGAACTCTTCCCTTGTGAACATGAAAGG
ACTCAGACTGGAGAGAACTTTATAAGTGTAGTGAGTGTGAAAAAAGTTCGCAAAACAAGCACACCTTA
GTGAGCATTACAGAATTCATACTGGAGAAAAACCTTATGAGTGTGTTGGATGTGGGAAATCCTTTAGGCA
CAGTTCAGCACTTCTTCGACATCAGAGGCTTCATGCTGGAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG204579 representing NM_145044
 Red=Cloning site Green=Tags(s)

MNSSQISLRMKHGRVNMQKKPSKSCGKFFTRSSLTQHQRIRHGEKPYVCSEGCSCFRKQSNLTQHLR
 IHTGEKPYKCNECEKAFQTKAILVQHLRIHTGEKPYKCNECGKAFQSPSLIKHQRIRHGEKPYKCTECG
 KAFSQSICLTRHQRSHSGDKPFKNECGKAFNQSAQLMQHQRIRHSGEKPYTCTECGKAFQNSSLVEHER
 THTGEKLYKCECEKTRFKQAHLSHYRIHTGEKPYECVCGGKSFRRSSALLRHQRLHAGE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145044

ORF Size: 813 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_145044.3](#), [NP_659481.2](#)

RefSeq Size: 3081 bp

RefSeq ORF: 816 bp

Locus ID: 115560

UniProt ID: [Q96CX3](#)

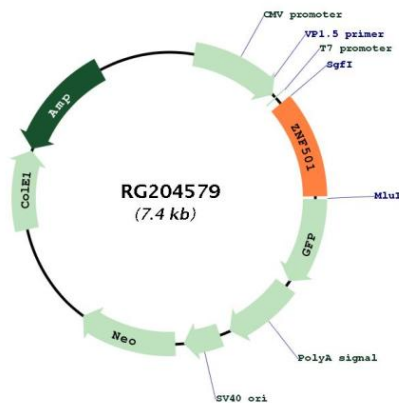
Cytogenetics: 3p21.31

Domains: zf-C2H2

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204579