

Product datasheet for **RG223457**

ZNF500 (NM_021646) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF500 (NM_021646) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF500
Synonyms:	ZKSCAN18; ZSCAN50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG223457 representing NM_021646
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACTGTCCCTGGCCTCCAGCCCCTGCCAACCTTGGAGCAGGACCTGGAACAGGAAGAGATCCTGA
 TTGTGAAGGTGGAGGAGACTTCTGCTTGAAGAGGAGCCCTCCGTGGAGACGGAGACCCAGCCCTGA
 GACTTCCGCCAGCTCTTCCGGCTTTCTGCTACCAGGAGGTGGCTGGGCCCCGGGAGGCCCTGAGCCGC
 CTCTGGGAGCTGTGCTGCCGCTGGCTGCCGCGGAGCTGCGCACCAAGGAGCAGATCCTGGAGCTGCTGG
 TGCTGGAGCAGTTCCTGACTGTGCTGCCGGGGAGATCCAGGCTCGGGTACGCGAGCAGCAGCCGGAGAG
 CGGTGAGGAGGCCGTGGTCTCGTGGAGGGGCTGCAGCGGAAGCCAGGAAACACAGGCAGCGGGGCTCA
 GAGCTGCTTTCTGATGACGAGGTGCCCTCGGGATAGGGGGACAGTTCTTAAACACCAGGCAGAGGCTC
 AGCCAGAGGATCTGTCCCTGGAGGAAGAGGCTCGATTCTCCAGCCAGCAGCCCCAGCCAGCTGAGCCA
 CAGGCCACAGAGGGGCCGCTGTTGTGGCCAGAGAGAGGCCCTCCAGCTCCCCGGCATCAGGAGATGGCG
 TAGCCTCGCCCTTCTTTCGGCCTGGTCCCAGGTGCCCGTGAACCTGGAGGACGTGGCTGTATACCTTT
 CTGGGGAGGAGCCAAGATGCATGGACCCAGCTCAGCGGGACGCGCCGCTGGAGAATGAAGGACCTGGGAT
 CCAGTTGGAGGACGGCGGTGATGGCAGGGAGGATGCCCGTTGAGAATGGAGTGGTACCGAGTGCTCTCG
 GCACGATGCCAGGGCCCTGGCCACCCGCTCCCAGGTGAGAGGCCAGCCCCAGTCAGGGGCTTGGTCAGGC
 CTGATCAGCCAAGAGGGCGGCCCCACCAGGAAGACGGGCTTCCCATGGGGCTGACAAGCCGTACACCTG
 CCCCAGTGTGGCAAAGGCTTACGAAGACGTCCCACTTGACCAAGCACCAGCGCACACACAGGGCGAG
 CGGCCTTACAAGTGCCTAGTCTGTGGGAAGGGCTTTAGCGACCGCTCCAACCTCAGCAGCAGCAGAGGG
 TGCACACAGCGGAGAAGCCCTACCCGTGCCCGAGTGTGGGAAGCGCTTACGCCAGAGCTCCAGCCTGTC
 CATCACCCGACAGACACACAGCGGGGAGCGGCCCTATGCCTGCACCCAGTGGGGAAGCGCTTCAACAAC
 AGCTCGCACTTACGCGCCACCCCGGACGACACAGGTGAGAAGCCCTACACCTGCCCGCCTGTGGCC
 GGGGCTTCCGCCGGGCACCGACCTGCACAAGCACCAGCGGACCCACATGGGGGCAGGCTCCTTGCCGAC
 GCTCCAGCCGGTGGCTCCTGGAGGCCCGGTGCAAAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223457 representing NM_021646
 Red=Cloning site Green=Tags(s)

MATVPGLQPLPTLEQDLEQEEILIVKVEEDFCLEEEPSVETEDPSPETFRQLFRLFYQEVAGPREALS
 LWELCCRWRPELRTKEQILELLVLEQFLTVLPGEIQARVREQQPESGEEAVVLVEGLQRKPRKHRQGS
 ELLSDDEVPLGIGGQFLKHQAEAPEDLSLEEEARFSSQPPAQLSHRPQRGPLLWPERGPPAPRHQEMA
 SASPFLSAWSQVPVNLADVAVYLSGEEPRCNDPAQRDAPLENEGPGIQLEDGGDREDAPLRMEWYRVLS
 ARCQGPGLPLPGQRPAPVRGLVRPDQPRGGPPGRRASHGADKPYTCPECGKGFSKTSHLTKHQRTHTGE
 RPYKCLVCGKGFSDRSNFSTHQRVHTGEKPYPCPECGKRFSSSSLVIHRRTHSGERPYACTQCGKRFNN
 SSHFSAHRRHTHTGEKPYTCPACGRGFRRTDLHKHQRTTHMGAGSLPTLQPVAPGGPGAKA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_021646

ORF Size: 1440 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.

RefSeq: [NM_021646.1](#), [NP_067678.1](#)

RefSeq Size: 3252 bp

RefSeq ORF: 1443 bp

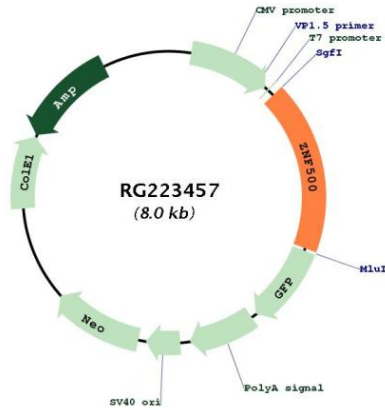
Locus ID: 26048

UniProt ID: [O60304](#)

Cytogenetics: 16p13.3

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

Product images:



Circular map for RG223457