

Product datasheet for **RG238256**

ZNF500 (NM_001303450) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF500 (NM_001303450) 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)
ORF Nucleotide Sequence:	>RG238256 representing NM_001303450. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCACTGTCCCTGGCCTCCAGCCCCTGCCAACCTTGGAGCAGGACCTGGAACAGGAAGAGATCCTG
ATTGTGAAGGTGGAGGAGGACTTCTGCTTGAAGAGGAGCCCTCCGTGGAGACGGAGACCCAGCCCT
GAGACTTCCGCCAGCTTCCGGCTCTTCTGCTACCAGGAGGTGGCTGGGCCCGGGAGGCCCTGAGC
CGCCTCTGGGAGCTGTGCTGCCGCTGGCTGCGCCGGAGCTGCGCACCAAGGAGCAGATCCTGGAGCTG
CTGGTGTGGAGCAGTTCCTGACTGTGCTGCCGGGGAGATCCAGGCTCGGGTACGCGAGCAGCAGCCG
GAGAGCGGTGAGGAGGCCGTGGTCTTGTGAAGGGCTGCAGCGGAAGCCAGGAAACACAGGCAGCGG
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GAGGCTCAGCCAGAGGATCTGTCCCTGGAGGAAGAGGCTCGATTCTCAGCCAGCAGCCCCAGCCAG
CTGAGCCACAGGCCACAGAGGGGCCCGCTGTTGTGGCCAGAGAGAGGCCCTCCAGCTCCCCGGCATCAG
GAGATGGCGTCAGCCTCGCCCTTCTTTCCGGCCTGGTCCCAGGTGCCCGTGAACCTGGAGGACGTGGCT
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CGAGTGTCTCGGCACGATGCCAGGGCCCTGGCCACCCGCTCCCAGGTCAGAGGCCAGCCCCAGTCAGG
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ACACACACGGGGAGCGCCTTACAAGTGCCTAGTCTGTGGGAAGGGCTTTAGCGACCGCTCCAACCTT
AGCACGCACCAGAGGGTGCACACAGGCGAGAAGCCCTACCCGTGCCCGAGTGTGGGAAGCGCTTACG
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GGGAAGCGCTTCAACAACAGCTCGCACTTCAGCGCCACCGCCGACGCACACAGGTCACATTCTGAGG
TCTGGGTGCACA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238256
 Blue=ORF Red=Cloning site Green=Tag(s)

MATVPGLQPLPTLEQDLEQEEILIVKVEEDFCLEEEPSVETEDPSPETFRQLFRLFCYQEVAGPREALS
 RLWELCCRWL RPELRTKEQILELLVLEQFLT VLPGEIQARVREQQPESGEEAVLVEGLQRKPRKHRQR
 GSELLSDDEVPLIGGQFLKHQAEAQPEDLSLEEEARFSSQPPAQLSHRPQRGPLLWPERGPPAPRHQ
 EMASASPFLSAWSQVPVNL EDVAVYLSGEEPRCMDPAQRDAPLENEGPGIQLEDGGDGREDAPLRMEWY
 RVL SARCGQPGHPLPGQRPAPVRGLVRPDQPRGGPPPGRRASHGADKPYTCPECGKGF SKTSHLTKHQR
 THTGERPYKCLVCGKGFSDRSNFSTHQRVHTGEKPYPCPECGKRF SQSSSLVIHRRTHSGERPYACTQC
 GKRFNNSSHFSAHRRTHGHILRSGCT
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001303450

ORF Size: 1323 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).

RefSeq: [NM_001303450.2](#)

RefSeq Size: 2442 bp

RefSeq ORF: 1326 bp

Locus ID: 26048

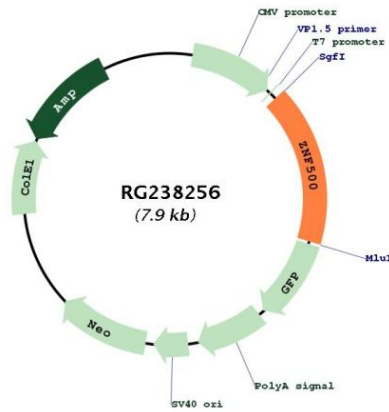
UniProt ID: [O60304](#)

Cytogenetics: 16p13.3

MW: 50.1 kDa

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

Product images:



Circular map for RG238256