

Product datasheet for RC238256

ZNF500 (NM_001303450) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: ZNF500 (NM_001303450) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: ZNF500
 Synonyms: ZKSCAN18; ZSCAN50
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RC238256 representing NM_001303450
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACTGTCCCTGGCCTCCAGCCCCTGCCAACCTGGAGCAGGACCTGGAACAGGAAGAGATCCTGA
 TTGTGAAGGTGGAGGAGGACTTCTGCTTGAAGAGGAGCCCTCCGTGGAGACGGAGACCCAGCCCTGA
 GACTTTCCGCCAGCTCTCCGGCTTTCTGCTACCAGGAGGTGGCTGGGCCCCGGGAGGCCCTGAGCCGC
 CTCTGGGAGCTGTGCTGCCGCTGGCTGCGGCCGGAGCTGCGCACCAAGGAGCAGATCCTGGAGCTGCTGG
 TGCTGGAGCAGTTCCTGACTGTGCTGCCGGGGAGATCCAGGCTCGGGTACGCGAGCAGCAGCCGGAGAG
 CGGTGAGGAGGCCGTGGTCTTGTGGAAGGGCTGCAGCGGAAGCCAGGAAACACAGGCAGCGGGGCTCA
 GAGCTGCTTTCTGATGACGAGGTGCCCTCGGGATAGGGGGACAGTTCTTAAACACCAGGCAGAGGCTC
 AGCCAGAGGATCTGTCCCTGGAGGAAGAGGCTCGATTCTCCAGCCAGCAGCCCCAGCCAGCTGAGCCA
 CAGGCCACAGAGGGGCCCGCTGTTGTGGCCAGAGAGAGGCCCTCCAGCTCCCCGGCATCAGGAGATGGCG
 TCAGCCTCGCCCTTCTTTCCGGCTGGTCCCAGGTGCCGTGAACCTGGAGGACGTGGCTGATACCTTT
 CTGGGGAGGAGCCAAGATGCATGGACCCAGCTCAGCGGGACCGCCCTGGAGAATGAAGGACCTGGGAT
 CCAGTTGGAGGACGGCGGTGATGGCAGGGAGGATGCCCGTTGAGAATGGAGTGGTACCGAGTGTCTCG
 GCACGATGCCAGGGCCCTGGCCACCCGCTCCCAGGTGAGAGGCCAGCCCCAGTCAGGGGCTTGGTACGGC
 CTGATCAGCCAAGAGGGGCCCCCCACCAGGAAGACGGGCTTCCCATGGGGCTGACAAGCCGTACACCTG
 CCCCAGATGTGGCAAAGGCTTACAGAACAGTCCCACTTGACCAAGCACCAGCGCACACACAGGGCGAG
 CGGCCTTACAAGTGCTAGTCTGTGGAAAGGGCTTAGCGACCGCTCCAACCTCAGCACGCCAGAGGG
 TGCACACAGGCGAGAAGCCCTACCCGTGCCCGAGTGTGGGAAGCGCTTACGCCAGAGCTCCAGCCTGGT
 CATCCACCGCAGGACACACAGCGGGGAGCGGCCATATGCCTGCACCCAGTGGGGAAGCGCTTCAACAAC
 AGCTCGCACTTACAGGCCACCAGCGGACGCACACAGGTACATTCTGAGGTCTGGGTGCACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC238256 representing NM_001303450
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MATVPGLQPLPTLEQDLEQEEILIVKVEEDFCLEEEPSVETEDPSPETFRQLFRLFCYQEIVAGPREALSRLWELCCRWLPELRTKEQILELLVLEQFLTVLPGEIQARVREQQPESGEEAVVLVEGLQRKPRKHRQGS ELLSDDEVPLGIGGQFLKHQAEAQPEDLSLEEEARFSSQQPPAQLSHRPQRGPLLWPERGPPAPRHQEMASASPFLSAWSQVPVNL EDVAVYLSGEEPRCNDPAQRDAPLENEGPGIQLEDGGDGDREDAPLRMEWYRVLSARCQGGPHPLPGQRPAVRGLVRPDQPRGGPPPGRRRASHGADKPYTCPECGKGF SKTSHLTKHQRTHTGERPYKCLVCGKGFSDRSNFSTHQVRHTGEKPYPCPECGKRFSQSSSLVIHRRTHSGERPACTQCGKRFNNSHFSAHRRTHTGHLRSGCT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

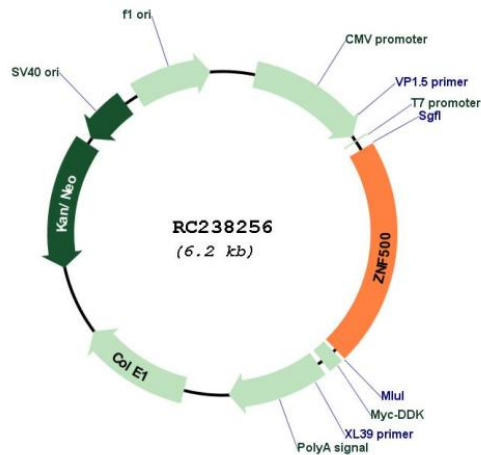
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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_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]