

Product datasheet for **RC238821**

ZNF502 (NM_001282880) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF502 (NM_001282880) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF502
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238821 representing NM_001282880
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGAATATGCAAGGAGCTGAAGAGAGAGACATTAGAAGAGAGACTTGTCCAGGCTGGGTAACAAGA
 ACAAGCCTGCTCTGGAGCAGGATGTCTGTAAAATTGACTCATCAGGGATAGTAGTAAAGAGTTCCAAGA
 GGATGAATACCAAGATTCTACATTTGAAGAAAAATATGCATGTGAGGGCATGAAGAAAACTCTCCTAGG
 GAGATTGCTGAATCATGCCTTTTCCAGGAAGGAGTGGGAGAATAACTTTCATCCACAAAGAAGCAC
 CCCCTGAAATTATTAGTCAAGGATATAATTTGAGAAAAGCTTGTCTTTGACCTCAAGCCTGTTACACG
 TCTCAGGTTTCTACAGAAGAGAGTCTGCATCAGTGGGAAACAAGTAATATACAAACCAATGATATTTCA
 GACCAAAGTAAATGTCCAACCTCTGCACACAGAAAAATCTTGGAAATGAATGAATGTGGAAAAACCT
 TTA**CTCAGAGCTCATCCCTTACCAACATCAGAGA**ACTCATACTGGAGAGAGACCCTACACATGTGAGGA
 ATGTGGGAAAGCCTTTAGTCGTAGTTCATTCTTGTTCACATCAAAGAATTCACACTGGAGTGAAACCA
 TATGGATGTGAGCAGTGTGGGAAACATTTTCGATGTGATCATTCTTACTCAGCATCAAAGAATTCACA
 CTGGAGAGAAACCTTATAAATGCAATGAATGTGGGAATTCCTTCCGCAATCACTCACATCTCACTGAACA
 CCAGAGAATTCACACTGGAGAGAAACCTTATAAATGCAATAGGTGTGGGAAGGCATTCAATCAGAATACA
 CACCTTATTCATCATCAGAGAATTCACACTGGTGAGAAGCCTTACATATGCAGTGAATGTGGCTCTTCTT
 TTCGAAAAACCTCAAATCTTACGCAACATCAGAGAATTCACACTGGGAAAAACCCATAAATGTGACGA
 ATGTGGGAAAACCTTCCAACAAAGGCAAACCTCTCTCAGCATCAGAGAATTCATAGTGGAGAGAAACCC
 TATAAATGTAAGAATGTGGCAAAGCCTTTGTGAGAGCCATCTCTTATAAACACCAGCGAATTCATA
 CTGGGAAAAACCATATAAGTGAAGAATGTGGCAAAGCCTTACTCAGAGCACCCTCACTAAACA
 TCAGAGAATACATACAGGGGAGAGACCCTACAAATGCAGTGAATGTGGTAAAGCCTTCATTCAGAGCATT
 TGCCCTTATTCGGCACCAGAGAAGTCACACTGGAGAAAAACCTTATAAATGCAATGAATGTGGAAAGGCT
 TTAATCAGAACACCTGCCTCACTCAGCATATGAGAATTCATACTGGAGAGAAGCCCTATAAATGTAAGA
 ATGTGGGAAAGCCTTTGCTCATAGCTCATCTTACTGAACATCATAGA**ACTCACACTGGTGAGAAGCTC**
 TATAAATGTAGT**GAGTGTGAGAAAACCTCCGCAAGTATGCACACCTTAGTGAACATTACAGAATTCACA**
 CTGGT**GAGAAGCCTTATGAGTGTATTGAGTGTGGAAAGTCTTCAGACATAGTTCAGTCTTTTCAGACA**
 TCAGAAACTTCACAGTGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238821 representing NM_001282880
 Red=Cloning site Green=Tags(s)

MLNMQGAEEERDIRRETCPGWVNKNKPALEQDVCKIDSSGIVVKRFQEDEYQDSTFEEKYACEGMKENS
 EIAESCLFQEGGFGRITFIHKEAPPEIISQGYNFEKSLLLTSSLVTRLRVSTEE^{SL}HQWETSNIQTNDIS
 DQSKCPTLCTQKKS^{WKC}NECGKTFQSSSLTQHQRTHGERPYTCEECGKAFSRSSFLVQHQR**IHTGVK**
 YGCEQCGKTFRCRSFLTQHQR**IHTGEKPYK**CNECGNSFRNHSHL**TEHQR**IHTGEKPYK**CNRCGAF**NQNT
 HL**IHHQR**IHTGEKPYICSECGSSFRKHSNLTQHQR**IHTGEKPHK**CDECGKTFQTKANLSQHQR**IHS**GEK**P**
 YKCKE**CGKAF**CQSPSLIKHQR**IHTGEKPYK**CKE**CGKAF**TQSTPLTKHQR**IHTGERPYK**CSECGKAFIQSI
 CLIRHQR**SHTGEKPYK**CNECGKGFNQNTCLTQHMR**IHTGEKPYK**CKE**CGKAF**AHSSSLTEHHR**THT**GEKL
 YK**CSECEK**TFRKYAHLSEHYR**IHTGEKPYE**IECGKFFRHSSVLF**RHQ**KLHSGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

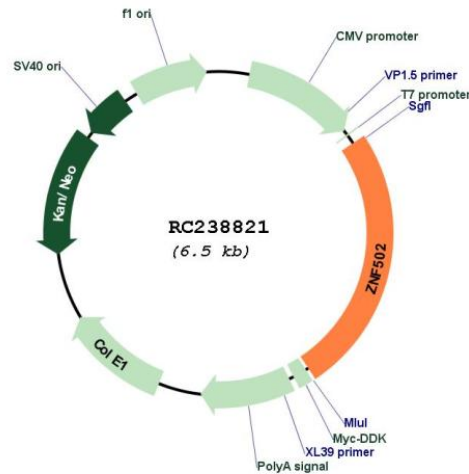
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001282880

ORF Size: 1632 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_001282880.1 , NP_001269809.1
RefSeq Size:	3407 bp
RefSeq ORF:	1635 bp
Locus ID:	91392
UniProt ID:	Q8TBZ5
Cytogenetics:	3p21.31
Protein Families:	Transcription Factors
MW:	63.4 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]