

## Product datasheet for **RC225934**

### ZNF502 (NM\_001134441) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF502 (NM_001134441) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF502
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RC225934 representing NM\_001134441  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTTGAATATGCAAGGAGCTGAAGAGAGAGACATTAGAAGAGAGACTTGTCCAGGCTGGGTAACAAGA  
 ACAAGCCTGCTCTGGAGCAGGATGTCTGTAAAATTGACTCATCAGGGATAGTAGTAAAGAGTTCCAAGA  
 GGATGAATACCAAGATTCTACATTTGAAGAAAAATATGCATGTGAGGGCATGAAGAAAACTCTCCTAGG  
 GAGATTGCTGAATCATGCCTTTTCCAGGAAGGAGTGGGAGAATAACTTTCATCCACAAAGAAGCAC  
 CCCCTGAAATTATTAGTCAAGGATATAATTTGAGAAAAGCTTGTCTTTGACCTCAAGCCTGTGTACAG  
 TCTCAGGTTTCTACAGAAGAGAGTCTGCATCAGTGGGAAACAAGTAATATACAAACCAATGATATTTCA  
 GACCAAAGTAAATGTCCAACCTCTGCACACAGAAAAAATCTTGGAAATGAATGAATGTGGAAAAACCT  
 TACTCAGAGCTCATCCCTTACCAACATCAGAGAACTCATACTGGAGAGAGACCCTACACATGTGAGGA  
 ATGTGGGAAAGCCTTTAGTCGTAGTTTCCTTGTTCACATCAAAGAATTCACACTGGAGTGAACCA  
 TATGGATGTGAGCAGTGTGGAAAAACATTCGATGTGCATCATTTCTTACTCAGCATCAAAGAATTCACA  
 CTGGAGAGAAACCTTATAAATGCAATGAATGTGGGAATTCCTTCCGCAATCACTCACATCTCACTGAACA  
 CCAGAGAATTCACACTGGAGAGAAAACCTTATAAATGCAATAGGTGTGGGAAGGCATTCAATCAGAATACA  
 CACCTTATTCATCATCAGAGAATTCACACTGGTGAAGCCTTACATATGCAGTGAATGTGGCTCTTCTT  
 TTCGAAAAACCTCAAATCTACGCAACATCAGAGAATTCACACTGGGAAAAACCCATAAATGTGACGA  
 ATGTGGGAAAACCTTCCAACAAGGCAAACCTCTCTCAGCATCAGAGAATTCATAGTGGAGAGAAAACCC  
 TATAAATGTAAGAATGTGGCAAAGCCTTTGTGAGAGCCATCTTATTAAACACCAGCGAATTCATA  
 CTGGGAAAAACCATATAAGTGAAGAATGTGGCAAAGCCTTACTCAGAGCACCCTCACTAAACA  
 TCAGAGAATACATACAGGGGAGAGACCCTACAAATGCAGTGAATGTGGTAAAGCCTTCATTCAGAGCATT  
 TGCCCTTATTCGGCACCAGAGAAGTCACACTGGAGAAAAACCTTATAAATGCAATGAATGTGGAAAGGCT  
 TTAATCAGAACACCTGCCTCACTCAGCATATGAGAATTCATACTGGAGAGAAGCCCTATAAATGTAAGA  
 ATGTGGGAAAGCCTTTGCTCATAGCTCATCTTACTGAACATCATAGAACTCACACTGGTGAAGGCTC  
 TATAAATGTAGTGTGAGTGTGAGAAAACCTCCGCAAGTATGCACACCTTAGTGAACATTACAGAATTCACA  
 CTGGTGAAGCCTTATGAGTGTATTGAGTGTGGAAAGTCTTCAGACATAGTTCAGTCTTTTCAGACA  
 TCAGAAACTTCACAGTGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC225934 representing NM\_001134441  
 Red=Cloning site Green=Tags(s)

MLNMQGAEEERDIRRETCPGWVWVKNKPALEQDVCKIDSSGIVVKRFQEDEYQDSTFEEKYACEGMKENS  
 EIAESCLFQEGGFGRITFIHKEAPPEIISQGYNFEKSLLLTSSLVTRLRVSTEESSLHQWETSNIQTNDIS  
 DQSKCPTLCTQKKSWKNECGKTFQSSSLTQHQRTHGERPYTCEECGKAFSRSSFLVQHQRHTGVKPV  
 YGCEQCGKTFRCRSFLTQHQRHTGEKPYKNECGNSFRNHSHL TEHQRIHTGEKPYKNCRCGKAFNQNT  
 HLIIHQRIHTGEKPYICSECGSSFRKHSNLTQHQRHTGEKPHKCDECGKTFQTKANLSQHQRHTS  
 GEKPYKCKEKGAFQCSPSLIKHQRIHTGEKPYKCKEKGAFQSTPLTKHQRIHTGERPYKCECGKAFIQSI  
 CLIRHQRSHTEKPYKNECGKGFNQNTCLTQHMRHTGEKPYKCKEKGAFHSSSLTEHHRHTHTEK  
 LKPYKCEKTFRKYAHLSEHYRIHTGEKPYECIECGKFFRHSSVLFHQKLHSGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Restriction Sites:

Sgfl-MluI

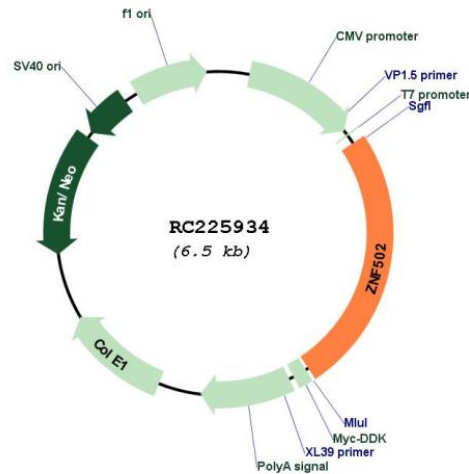
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001134441

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:**

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\\_001134441.1](#), [NP\\_001127913.1](#)

**RefSeq ORF:** 1635 bp

**Locus ID:** 91392

**UniProt ID:** [Q8TBZ5](#)

**Cytogenetics:** 3p21.31

**Protein Families:** Transcription Factors

**MW:** 62.7 kDa

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