

Product datasheet for **RC225935**

ZNF502 (NM_001134442) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF502 (NM_001134442) 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:

>RC225935 representing NM_001134442
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGAATATGCAAGGAGCTGAAGAGAGAGACATTAGAAGAGAGACTTGTCCAGGCTGGGTAACAAGA
 ACAAGCCTGCTCTGGAGCAGGATGTCTGTAAAATTGACTCATCAGGGATAGTAGTAAAGAGGTTCCAAGA
 GGATGAATACCAAGATTCTACATTTGAAGAAAAATATGCATGTGAGGGCATGAAGAAAACTCTCCTAGG
 GAGATTGCTGAATCATGCCTTTTCCAGGAAGGAGGTTTTGGGAGAATAACTTTCATCCACAAAGAAGCAC
 CCCCTGAAATTATTAGTCAAGGATATAATTTGAGAAAAGCTTGTCTTTGACCTCAAGCCTGTGTACAGC
 TCTCAGGTTTCTACAGAAGAGAGTCTGCATCAGTGGGAAACAAGTAATATACAAACCAATGATATTTCA
 GACCAAAGTAAATGTCCAACCTCTGCACACAGAAAAAATCTTGGAAATGAATGAATGTGGAAAAACCT
 TTA**CTCAGAGCTCATCCCTTACCAACATCAGAGA**ACTCATACTGGAGAGAGACCCTACACATGTGAGGA
 ATGTGGGAAAGCCTTTAGTCGTAGTTCATTCTTGTTCACATCAAAGAATTCACACTGGAGTGAAACCA
 TATGGATGTGAGCAGTGTGGGAAACATTTTCGATGTGATCATTCTTACTCAGCATCAAAGAATTCACA
 CTGGAGAGAAACCTTATAAATGCAATGAATGTGGGAATTCCTTCCGCAATCACTCACATCTCACTGAACA
 CCAGAGAATTCACACTGGAGAGAAAACCTTATAAATGCAATAGGTGTGGGAAGGCATTCAATCAGAATACA
 CACCTTATTCATCATCAGAGAATTCACACTGGTGAGAAGCCTTACATATGCAGTGAATGTGGCTCTTCTT
 TTCGAAAAACCTCAAATCTTACGCAACATCAGAGAATTCACACTGGGAAAAACCCATAAATGTGACGA
 ATGTGGGAAAACCTTCCAACAAAGGCAAACCTCTCTCAGCATCAGAGAATTCATAGTGGAGAGAAAACCC
 TATAAATGTAAGAATGTGGCAAAGCCTTTGTGAGAGCCATCTCTTATAAACACCAGCGAATTCATA
 CTGGGAAAAACCATATAAGTGTAAAGAATGTGGCAAAGCCTTACTCAGAGCAGCCCACTCACTAAACA
 TCAGAGAATACATACAGGGGAGAGACCCTACAAATGCAGTGAATGTGGTAAAGCCTTCATTCAGAGCATT
 TGCCCTTATTCGGCACCAGAGAAGTCACACTGGAGAAAAACCTTATAAATGCAATGAATGTGGAAAGGCT
 TTAATCAGAACACCTGCCTCACTCAGCATATGAGAATTCATACTGGAGAGAAGCCCTATAAATGTAAGA
 ATGTGGGAAAGCCTTTGCTCATAGCTCATCTTACTGAACATCATAGA**ACTCACACTGGT**GAGAAGCTC
 TATAAATGTAGT**GAGTGTGAGAAA**ACCTCCGCAAGTATGCACACCTTAGTGAACATTACAGAATTCACA
 CTGGT**GAGAAGCCTT**ATGAGTGTATTGAGTGTGGAAAGTCTTCAGACATAGTTCAGTCTTTTCAGACA
 TCAGAAACTTCACAGTGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225935 representing NM_001134442
 Red=Cloning site Green=Tags(s)

MLNMQGAEEERDIRRETCPGWVNKNKPALEQDVCKIDSSGIVVKRFQEDEYQDSTFEEKYACEGMKENS
 EIAESCLFQEGGFGRITFIHKEAPPEIISQGYNFEKSLLLTSSLVTRLRVSTEESSLHQWETSNIQTNDIS
 DQSKCPTLCTQKKSWKNECGKTFQSSSLTQHQRTHGERPYTCEECGKAFSRSSFLVQHQRHITGVK
 YGCEQCGKTFRCRSFLTQHQRHITGEKPYKNECGNSFRNHSHL TEHQRIHTGEKPYKNCRCGKAFNQNT
 HLIHQRIHTGEKPYICSECGSSFRKHSNLTQHQRHITGEKPHKCDECGKTFQTKANLSQHQRHISGEK
 YKCKEKGKAFQSPSLIKHQRIHTGEKPYKCKEKGKAFQSTPLTKHQRIHTGERPYKCECGKAFIQSI
 CLIRHQRSHTGEKPYKNECGKGFNQNTCLTQHMRHITGEKPYKCKEKGKAFHSSSLTEHHRHTTGEKL
 YKCECEKTFRKYAHLSEHYRIHTGEKPYECIECGKFFRHSSVLFHQKLHSGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

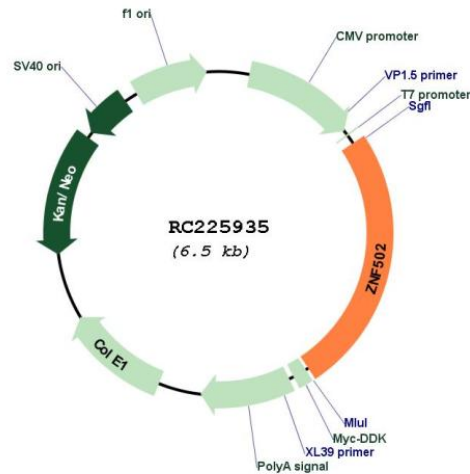
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001134442

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_001134442.3](#)

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]