

Product datasheet for **RC205949**

ZNF502 (NM_033210) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF502 (NM_033210) 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:

>RC205949 representing NM_033210
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGAATATGCAAGGAGCTGAAGAGAGAGACATTAGAAGAGAGACTTGTCCAGGCTGGGTAACAAGA
 ACAAGCCTGCTCTGGAGCAGGATGTCTGTAAAATTGACTCATCAGGGATAGTAGTAAAGAGGTTCCAAGA
 GGATGAATACCAAGATTCTACATTTGAAGAAAAATATGCATGTGAGGGCATGAAGAAAACTCTCCTAGG
 GAGATTGCTGAATCATGCCTTTTCCAGGAAGGAGGTTTTGGGAGAATAACTTTCATCCACAAAGAAGCAC
 CCCCTGAAATTATTAGTCAAGGATATAATTTTGAAGAAAGCTTGTCTTTGACCTCAAGCCTGTGTACAGC
 TCTCAGGTTTTCTACAGAAGAGAGTCTGCATCAGTGGGAAACAAGTAATATACAAACCAATGATATTTCA
 GACCAAAGTAAATGTCCAACCTCTGCACACAGAAAAAATCTTGGAAATGAATGAATGTGGAAAAACCT
 TTA**CTCAGAGCTCATCCCTTACCAACATCAGAGA**ACTCATACTGGAGAGAGACCCTACACATGTGAGGA
 ATGTGGGAAAGCCTTTAGTCGATGTTCACTTCTTCAACATCAAAGAATTCACACTGGAGTGAACCA
 TATGGATGTGAGCAGTGTGGGAAACATTTTCGATGTGCATCATTTCTTACTCAGCATCAAAGAATTCACA
 CTGGAGAGAAACCTTATAAATGCAATGAATGTGGGAAATTCCTTCCGCAATCACTCACATCTCACTGAACA
 CCAGAGAATTCACACTGGAGAGAAACCTTATAAATGCAATAGGTGTGGGAAAGGCATTCAATCAGAATACA
 CACCTTATTCATCATCAGAGAATTCACACTGGTGAAGCCTTACATATGCAGTGAATGTGGCTCTTCTT
 TTCGAAAAACCTCAAATCTTACGCAACATCAGAGAATTCACACTGGGAAAAACCCATAAATGTGACGA
 ATGTGGGAAAACTTTCAAACAAAGGCAAACCTCTCTCAGCATCAGAGAATTCATAGTGGAGAGAAACCC
 TATAAATGTAAGAATGTGGCAAAGCCTTTTGTGAGAGCCATCTCTTATTAACACCAGCGAATTCATA
 CTGGGAAAAACCATATAAGTGTAAAGAATGTGGCAAAGCCTTTACTCAGAGCACCCTCACTAAACA
 TCAGAGAATACATACAGGGGAGAGACCCTACAAATGCAGTGAATGTGGTAAAGCCTTCATTCAGAGCATT
 TGCCCTTATTCGGCACAGAGAAGTCACACTGGAGAAAAACCTATAAATGCAATGAATGTGGAAAGGCT
 TTAATCAGAACACCTGCCTCACTCAGCATATGAGAATTCATACTGGAGAGAAGCCCTATAAATGTAAGA
 ATGTGGGAAAGCCTTTGCTCATAGCTCATCTTACTGAACATCATAGA**ACTCACACTGGT**GAGAAGCTC
 TATAAATGTAGT**GAGTGTGAGAAA**CTTCCGCAAGTATGCACACCTTAGTGAACATTACAGAATTCACA
 CTGGT**GAGAAGCCTT**ATGAGTGTATTGAGTGTGGAAAGTCTTCAGACATAGTTCAGTCTTTTCAGACA
 TCAGAAACTTCACAGTGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205949 representing NM_033210
 Red=Cloning site Green=Tags(s)

MLNMQGAEEERDIRRETCPGWVNKNKPALEQDVCKIDSSGIVVKRFQEDEYQDSTFEEKYACEGMKENS
 EIAESCLFQEGGFGRITFIHKEAPPEIISQGYNFEKSLLLTSSLVTRLRVSTEEESLHQWETSNIQTNDIS
 DQSKCPTLCTQKKS~~WKCNECGKTF~~QSSSLTQHQRTHGERPYTCEECGKAFSRSSFLVQHQR**IHTGV**KP
 YGCEQCGKTFRCRSFLTQHQR**IHTGEKPYK**CNECGNSFRNHSHL**TEHQR**IHTGEKPYKCNRCGKAFNQNT
 HL**IHHQR**IHTGEKPYICSECGSSFRKHSNLTQHQR**IHTGEKPHK**CDECGKTFQTKANLSQHQR**IHS**GEK
 YKCKE**CGKAF**CQSPSLIKHQR**IHTGEKPYK**CKE**CGKAF**TQSTPLTKHQR**IHTGERPYK**CSECGKAFIQSI
 CL**IRHQR**SHTGEKPYK**NECGK**GFNQNTCLTQHMR**IHTGEKPYK**CKE**CGKAF**AHSSSLTEHHR**THT**GEKL
 YK**CSECEK**TFRKYAHLSEHYR**IHTGEKPYE**IECGKFFRHSSVLF**FRHQL**HSGD

TRTRPLE**QKLISEEDLA**AND**ILDYK**DDDDK**V**

Restriction Sites:

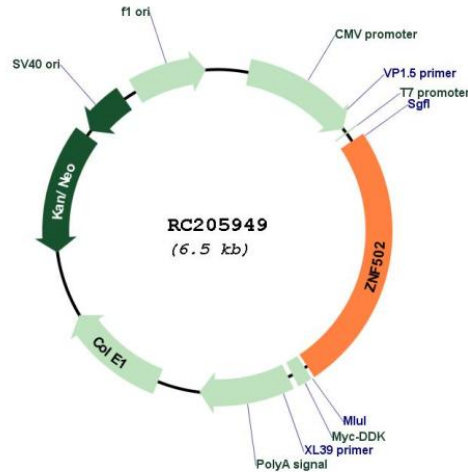
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN:	NM_033210
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_033210.4](#)

RefSeq Size: 3285 bp

RefSeq ORF: 1635 bp

Locus ID: 91392

UniProt ID: [Q8TBZ5](#)

Cytogenetics: 3p21.31

Domains: zf-C2H2

Protein Families: Transcription Factors

MW: 62.7 kDa

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