

Product datasheet for **RG225935**

ZNF502 (NM_001134442) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF502 (NM_001134442) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF502
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG225935 representing NM_001134442
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTGAATATGCAAGGAGCTGAAGAGAGAGACATTAGAAGAGAGACTTGTCCAGGCTGGGTAACAAGA
 ACAAGCCTGCTCTGGAGCAGGATGTCTGTAAAATTGACTCATCAGGGATAGTAGTAAAGAGGTTCCAAGA
 GGATGAATACCAAGATTCTACATTTGAAGAAAAATATGCATGTGAGGGCATGAAGAAAACTCTCCTAGG
 GAGATTGCTGAATCATGCCTTTTCCAGGAAGGAGTGGGAGAATAACTTTCATCCACAAAGAAGCAC
 CCCCTGAAATTATTAGTCAAGGATATAATTTGAGAAAAGCTTGTCTTTGACCTCAAGCCTGTTACACG
 TCTCAGGTTTCTACAGAAGAGAGTCTGCATCAGTGGGAAACAAGTAATATACAAACCAATGATATTTCA
 GACCAAAGTAAATGTCCAACCTCTGCACACAGAAAAATCTTGGAAATGAATGAATGTGGAAAAACCT
 TACTCAGAGCTCATCCCTTACCAACATCAGAGAACTCATACTGGAGAGAGACCCTACACATGTGAGGA
 ATGTGGGAAAGCCTTTAGTCGATGTTTCTTCTTCAACATCAAAGAATTCACACTGGAGTGAACCA
 TATGGATGTGAGCAGTGTGGGAAACATTTGATGTCGATCATTTCTTACTCAGCATCAAAGAATTCACA
 CTGGAGAGAAACCTTATAAATGCAATGAATGTGGGAATTCCTTCCGCAATCACTCACATCTCACTGAACA
 CCAGAGAATTCACACTGGAGAGAAACCTTATAAATGCAATAGGTGTGGGAAGGCATTCAATCAGAATACA
 CACCTTATTCATCATCAGAGAATTCACACTGGTGAAGCCTTACATATGCAGTGAATGTGGCTCTTCTT
 TTCGAAAACACTCAAATCTTACGCAACATCAGAGAATTCACACTGGGAAAAACCCATAAATGTGACGA
 ATGTGGGAAAACCTTCCAAACAAAGGCAAACCTCTCTCAGCATCAGAGAATTCATAGTGGAGAGAAACCC
 TATAAATGTAAGAATGTGGCAAAGCCTTTTGTGAGAGCCATCTCTTATTAACACCAGCGAATTCATA
 CTGGAGAAAAACCATATAAGTGAAGAATGTGGCAAAGCCTTACTCAGAGCACCCTCACTAAACA
 TCAGAGAATACATACAGGGGAGAGACCCTACAAATGCAGTGAATGTGGTAAAGCCTTCATTCAGAGCATT
 TGCCCTTATTCGGCACCAGAGAAGTCACACTGGAGAAAAACCTTATAAATGCAATGAATGTGGAAAGGCT
 TTAATCAGAACACCTGCCTCACTCAGCATATGAGAATTCATACTGGAGAGAAGCCCTATAAATGTAAGA
 ATGTGGGAAAGCCTTTGCTCATAGCTCATCTTACTGAACATCATAGAACTCACACTGGTGAAGGCTC
 TATAAATGTAGTGTGAGTGTGAGAAAACCTCCGCAAGTATGCACACCTTAGTGAACATTACAGAATTCACA
 CTGGTGAAGCCTTATGAGTGTATTGAGTGTGGAAAGTCTTCAGACATAGTTCAGTCTTTTCAGACA
 TCAGAACTTCACAGTGGTGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG225935 representing NM_001134442
 Red=Cloning site Green=Tags(s)

MLNMQGAEEERDIRRETCPGWVNKNKPALEQDVCKIDSSGIVVKRFQEDEYQDSTFEEKYACEGMKENS
 EIAESCLFQEGGFGRITFIHKEAPPEIISQYNFESLSSVTRLRVSTEEHLHWETSNIQTNDIS
 DQSKCPTLCTQKKSWKNECGKTFQSSSLTQHQRTHGERPYTCEECGKAFSRSSFLVQHQRHTGVPK
 YGCEQCGKTFRCRSFLTQHQRHTGKPYKNECGNSFRNHSHL TEHQRIHTGKPYKCNRCGKAFNQNT
 HLIHHQRHTGKPYICSECGSSFRKHSNLTQHQRHTGKPHKDECGKTFQTKANLSQHQRHSHGKPK
 YKCKEKGAFQSPSLIKHQRHTGKPYKCKEKGAFQSTPLTKHQRHTGERPYKCECGKAFIQSI
 CLIRHQRSHTEGKPYKNECGKGFNQNTCLTQHMRHTGKPYKCKEKGAFHSSSLTEHHRHTGKEL
 YKCECEKTFRKYAHLSEHYRIHTGKPYECIECGKFFRHSSVLFHQKLHSGD

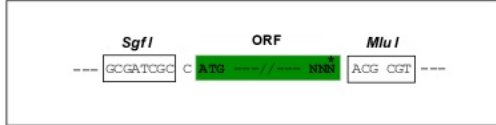
TRTRPLE – GFP Tag – V

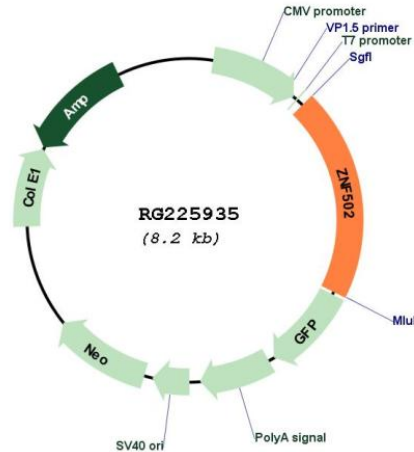
Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



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 Size: 3186 bp

RefSeq ORF: 1635 bp

Locus ID: 91392

UniProt ID: [Q8TBZ5](#)

Cytogenetics: 3p21.31

Protein Families: Transcription Factors

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