

Product datasheet for **RG238821**

ZNF502 (NM_001282880) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF502 (NM_001282880) 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:

>RG238821 representing NM_001282880.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTTGAATATGCAAGGAGCTGAAGAGAGAGACATTAGAAGAGAGACTTGTCCAGGCTGGGTAACAAG
AACAGCCTGCTCTGGAGCAGGATGTCTGTAATAATTGACTCATCAGGGATAGTAGTAAAGAGTTCCAA
GAGGATGAATACCAAGATTCTACATTTGAAGAAAAATATGCATGTGAGGGCATGAAGGAAAACTCTCCT
AGGGAGATTGCTGAATCATGCCTTTTCCAGGAAGGAGTTTTGGGAGAATAACTTTCATCCACAAAAGAA
GCACCCCTGAAATTATTAGTCAAGGATATAATTTTGAAGAAAAGCTTGCTTTTGACCTCAAGCCTTGTT
ACACGCTCAGGGTTTCTACAGAAGAGAGTCTGCATCAGTGGGAAACAAGTAATATACAAACCAATGAT
ATTTAGACCAAAGTAAATGTCCAACCTCTGCACACAGAAAAATCTTGAAATGTAATGAATGTGGA
AAAACCTTACTCAGAGCTCATCCCTTACCAACATCAGAGAACTCATACTGGAGAGAGACCCTACACA
TGTGAGGAATGTGGAAAGCCTTAGTCGTAGTTCATTCTTGTCAACATCAAAGAATTCACACTGGA
GTGAAACCATATGGATGTGAGCAGTGTGGAAACATTTTCGATGTCGATCATTTCTTACTCAGCATCAA
AGAATTCACACTGGAGAGAAACCTTATAAATGCAATGAATGTGGGAATTCCTCCGCAATCACTCAGAT
CTCACTGAACACCAGAGAATTCACACTGGAGAGAAACCTTATAAATGCAATAGGTGTGGGAGGCATTC
AATCAGAAATACACACCTTATTCATCATCAGAGAATTCACACTGGTGAAGCCTTACATATGCAGTGAA
TGTGGCTCTTCTTTTCGAAAACACTCAAATCTTACGCAACATCAGAGAATTCACACTGGGAAAAACCC
CATAAATGTGACGAATGTGGGAAAACCTTCAAACAAAGGCAAACCTCTCTCAGCATCAGAGAATTCAT
AGTGGAGAGAAACCTATAAATGTAAGAATGTGGCAAAGCCTTTGTGAGAGCCATCTCTTATTTAAA
CACCAGCGAATTCATACTGGAGAAAAACCATATAAGTGTAAAGAATGTGGCAAAGCGTTTACTCAGAGC
ACCCCACTCACTAAACATCAGAGAATACATACAGGGGAGAGACCCTACAAATGCAGTGAATGTGGTAAA
GCCTTCATTAGAGCATTTCCTTATTCCGACACAGAGAAGTCACTGGAGAAAAACCTTATAAATGC
AATGAATGTGAAAGGGCTTAAATCAGAACACCTGCCTCACTCAGCATATGAGAATTCATACTGGAGAG
AAGCCCTATAAATGTAAGAATGTGGGAAAGCCTTTGCTCATAGCTCATCTTACTGAACATCATAGA
ACTCAGACTGGTGAAGCTCTATAAATGTAGTGAGTGTGAGAAAACCTTCGCAAGTATGCACACCTT
AGTGAACATTACAGAATTCACACTGGTGAAGCCTTATGAGTGTATTGAGTGTGGAAAGTTCTTCAGA
CATAGTTCAGTCTTTTTCAGACATCAGAACTTCACAGTGGTGAC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238821
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MLNMQGAEEERDIRRETCPGWVNKNKPALEQDVCKIDSSGIVVKRFQEDEYQDSTFEEKYACEGMKENS
REIAESCLFQEGGFGRITFIHKEAPPEIISQGNFEKSLLLTSSLVTRLRVSTEEHLHQWETSNIQTND
ISDQSKCPTLCTQKKSWKNECGKFTTQSSSLTQHQRHTHTGERPYTCEECGKAFSRSSFLVQHQRHTG
VKPYGCEQCGKTFRCRSFLTQHQRHTHTGEKPYKNECGNSFRNHSHTLTHQRHTHTGEKPYKNECGK
NQNTHLIHHQRHTHTGEKPYKNECGSSFRKHSNLTQHQRHTHTGEKPHKCDECGKTFQTKANLSQHQRH
SGEKPYKKECGKAFCSPSLIKHQRIHTHTGEKPYKKECGKAFQSTPLTKHQRIHTHTGERPYKNECGK
AFIQSICLIRHQRHTHTGEKPYKNECGKFNQNTCLTQHMRHTHTGEKPYKKECGKAFHSSSLTEHHR
THTGEKLYKCEKTFRKYAHLSEHYRIHTHTGEKPYKNECGKFRHSSVLFHQKLSHGD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

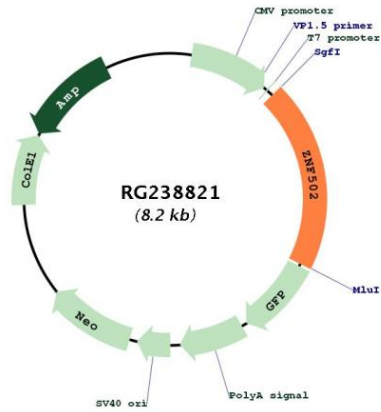
Restriction Sites:

Sgfl-MluI

Cloning Scheme:


- 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).
- 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]

Product images:



Circular map for RG238821