

## Product datasheet for **RG237400**

### ZNF101 (NM\_001300949) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF101 (NM_001300949) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF101
Synonyms:	HZF12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237400 representing NM_001300949. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAGAGCTCATGCTGGACACAAACGATCTGAGTGTGGTGGGGAATGGAGAGAGACGCCCGTAAACAG
AAACAACATGGGAAAGCCTCCATTTCCCCCAGTAGTGGTGCACGGCGCACAGTAACACCAACTCGAAAG
AGACCTTATGAATGCAAGGTGTGCGGAAAGCCTTTAATTCTCCCAATTTATTTCAAATCCATCAAAGA
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CGAAAACATGGAAAATGCATACTGGAGAAAACGCTATGAATGTAATACTGTGAAAACCTATCGAT
TATCCAGTTTATTTCAAATTCATGTTAGAACTCACACTGGAGAAAACCTTACAATGTAACAATGT
GGTAAAGCCTTCAATTCGCAGGTTACCTTCGGACACATGAAATCAGATCTCACGCGCTGGAGAAATCC
CACCAATGTCAGGAATGTGGGAAAAAAGCTCAGTTGTTCCAGTTCCCTTACAGACATGAAAGAACTCAT
AGTGGAGGAAAACCTACGAATGTCAAAAATGTGCCAAAGTCTTTAGATGTCCCAGTCCCTTCAAGCA
CATGAAAGAGCTCACACTGGAGAAAGACCTTATGAATGTAATAAATGTGGTAAAACCTTCAATTATCCC
AGTTGTTTTCGAAGACATAAAAAAAGCTCATAGTGGAGAAAAGCCATATGAATGTACAAGGTGTGGTAAA
GCCTTTGGGTGGTGCAGTTCCTCCGAAGACATGAAATGACTCACACTGGAGAAAACCTTTGATTGT
AAACAGTGTGGTAAAGTCTTTACTTTTTCAAATACCTTAGACTTCATGAAAGAAGTCAATTTGGCCGGG
CGTAGCCAGTGCCTTTGGCAGGAGGCGGGGATCACCTGAGCCAGGAGTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



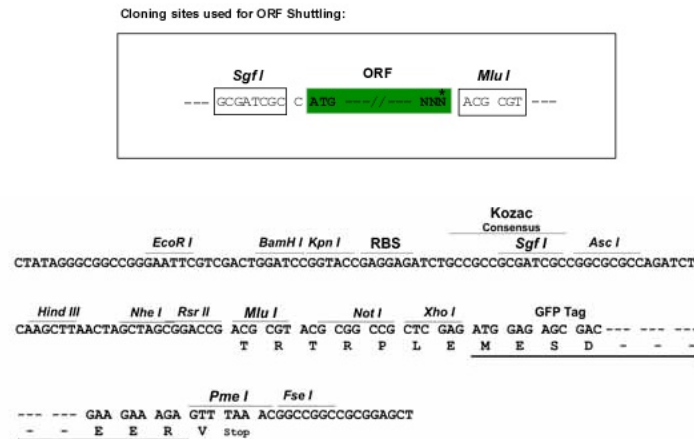
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**Protein Sequence:** >Peptide sequence encoded by RG237400  
 Blue=ORF Red=Cloning site Green=Tag(s)

MRAHAGHKRSECGGEWRET<sup>Blue</sup>PRKQKQHGKASISPSSGARRTVTPTRKRPYECKVCGKAFNSPNLFQIHQR  
 THTGKRSYKCREIVRAFTVSSFRKHGKMHTGEKRYECKYCGKPIDYPSLFIHVRTHTGEKPYKCKQC  
 GKAFISAGYLRTHEIRSHALEKSHQCQECGKLLSCSSSLHRHERTHSGGKLYECQKCAKVFRCPSTLQA  
 HERAHTGERPYECNKCGKTFNYPSCFRRHKKTHSGEKPYECTRCGKAFGWCSSLRRHEMHTHTGEKPFDC  
 KQCGKVF<sup>Blue</sup>TFSNYLRLHERTHLAGRSQCFRRRQGDHLS<sup>Green</sup>PGV  
 TR<sup>Red</sup>TRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD<sup>Green</sup>SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001300949

**ORF Size:** 948 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\\_001300949.1](#), [NP\\_001287878.1](#)

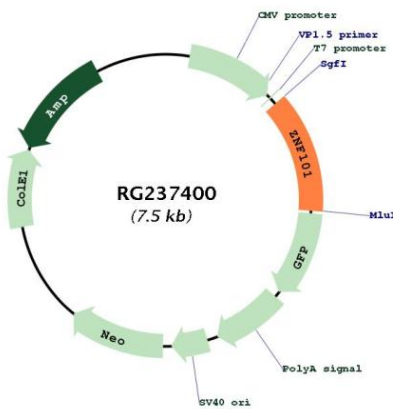
**RefSeq Size:** 4581 bp

**RefSeq ORF:** 951 bp

**Locus ID:** 94039  
**UniProt ID:** [Q8IZC7](#)  
**Cytogenetics:** 19p13.11  
**Protein Families:** Druggable Genome, Transcription Factors  
**MW:** 36.9 kDa

**Gene Summary:** Zinc finger proteins (ZNFs), such as ZNF101, bind nucleic acids and perform many key functions, the most important of which is regulating transcription (summary by Bellefroid et al., 1993 [PubMed 8467795]). See ZNF91 (MIM 603971) for general information on ZNFs. [supplied by OMIM, Nov 2010]

**Product images:**



Circular map for RG237400