

## Product datasheet for **RG234265**

### ZNF512 (NM\_001271287) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF512 (NM_001271287) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF512
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG234265 representing NM\_001271287  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGATGAGAAGAATCAAGCCAGCTGCTACTTCTCATGTCTGAAGGGTCAGGTGGAGTATCAGCCAAGG  
 GAAAAAGGAAACCCAGGCAGGAAGAAGATGAAGACTATCGAGAATTTCTCAGAAGAAGCATAAGCTTTA  
 TGGGAGGAAGCAACGGCCTAAAACCTCAGCCCAATCCCAAATCCCAGGCCCGTCGATTTCGGAAGGAACCA  
 CCAGTTTATGCAGCAGGCAGTTTGGAGGAGCAATGGTACTTAGAAATCGTTGATAAAGGCAGTGTCTCCT  
 GCCCTACCTGCCAGGCAGTGGGGAGGAAGACCATAGAGGGTTTAAAGAAACACATGGAAAACCTGCAAGCA  
 GGAAATGTTTACTTGTTCATCATTGTGGGAAACAACTTCGTTCACTGGCAGGGATGAAGTATCATGTCATG  
 GCAATCATAATAGTTTGCCATTTTAAAGCCGGAGATGAAATAGATGAGCCAAGTGAAGGGAAAGGC  
 TCCGAACAGTTCTAAAGAGACTGGGAAAGCTCAGGTGCATGCGTGAGAGTTGCTCCAGTAGCTTCACCAG  
 CATCATGGGATATCTCTACCATGTCAGAAAATGTGGCAAAGGGGCTGCAGAGCTGGAAAAGATGACCCTG  
 AAATGTCAACCACTGTGGAAAACCATATAGTTCGAAGGCTGGACTTGCATATCACCTGAGGTGAGGATG  
 GGCTATATCCTTCTTTCCAGAGTCAGGACAGCCAGAGTGCTTAAAGGAGATGAACCTAGAGTCAAAGAG  
 TGGGGGCCGAGTTCAGAGACGTTCTGCCAAGATAGCTGTATACCACCTACAGGAGCTGGCCTCTGCTGAA  
 CTGGCCAAGGAATGGCCCAAGAGGAAGGTGCTTACAGGACCTGGTACCTGATGATCGAAAGTTAAAATATA  
 CTCGTCCAGGGCTCCCTACCTTCAGCCAGGAAGTACTACATAAATGGAAGACAGATATCAAGAAATATCA  
 TCGTATTCAGTGTCTAACCCAGGGCTGTGAGGCTGTCTACAGCAGTGTATCTGGCCTTAAAGCTCACCTG  
 GGCTCTTGTACATTGGGAAACTTTGTGGCTGGAAAATACAAATGTCTTCTATGTCAGAAAAGAAATTTGTG  
 CAGAGAGTGGTGTCAAGTATCACATCAACTCCGTCATGCTGAGGACTGGTTTCGTTGTAACCCCAACAAC  
 AACCAAAAAGCTTTGAAAAGCTGATGAAGATAAAGCAGCGGCAGCAAGAAGAAGAAAAGCGGAGGCAGCAG  
 CACAGGAGCAGAAGTCTCTAAGAAGGGCAGCAGCCTGGCATTGAGCTTCCCGAGACAGAGCTGAGTC  
 TTAGAGTAGGGAAGGATCAGAGGAGGAATAATGAGGAACTGGTAGTGTCAGCCTCTGTAAGGAACCAGA  
 GCAGGAGCCAGTGCCAGCACAGTCCAGAAAAGTAAAGCCCCAAAGACTAATCATAAACGAGGAAGGAAA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG234265 representing NM\_001271287  
 Red=Cloning site Green=Tags(s)

MKMRRIPAAATSHVEGSGVSAKGRKPRQEEDDYREFPQKKHKL YGRKQRPKTQPNPKSQARRIRKEP  
 PVYAAGSLEEQWYLEIVDKGSVSCPTCQAVGRKTI EGLKHKHMENCKQEMFTCHHCQQLRSLAGMKYHVM  
 ANHNSLPILKAGDEIDPSENERLRTVLKRLGKLRMRESCSSSFTSIMGYLYHVRKCGKGAEELEKMTL  
 KCHHCQKPYRSKAGLAYHLRSEHGPI SFFPESGQPECLKEMNLESKSGGRVQRRSAKIAVYHLQELASAE  
 LAKEWPKRKVLQDLVPDDRKLKYTRPGLPTF SQEVLHKWKTDIKKYHRIQCPNQCEAVYSSVSLKAHL  
 GSCTLGNFVAGKYKLLCQKEFVSESGVYHINSVHAEDWFFVNPPTTKSFEKLMKIKQRQEEKRRRQ  
 HRSRRSLRRRQPGIELPETELSLRVGKDQRRNNEELVVSASCKEPEQEPVPAQFQKVKPPKTNHKRGRK

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001271287

**ORF Size:** 1470 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\\_001271287.1](#), [NP\\_001258216.1](#)

**RefSeq Size:** 3543 bp

**RefSeq ORF:** 1473 bp

**Locus ID:** 84450

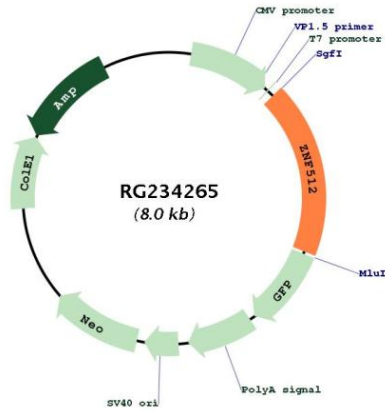
**UniProt ID:** [Q96ME7](#)

**Cytogenetics:** 2p23.3

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a protein containing four putative zinc finger motifs. Zinc finger motifs may bind to proteins or nucleic acids. Zinc finger-containing proteins are involved in a variety of processes, including regulation of transcription. Alternative splicing results in multiple transcript variants for this gene. [provided by RefSeq, Sep 2012]

**Product images:**



Circular map for RG234265