

Product datasheet for **RG234267**

ZNF512 (NM_001271318) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF512 (NM_001271318) 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:

>RG234267 representing NM_001271318
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGATGAGAAGAATCAAGCCAGCTGCTACTTCTCATGTCTGAAGGGTCAGGTGGAGTATCAGCCAAGG
 GAAAAAGGAAACCCAGGCAGGAAGAAGATGAAGACTATCGAGAATTTCTCAGAAGAAGCATAAGCTTTA
 TGGGAGGAAGCAACGGCCTAAAACCTCAGCCCAATCCCAAATCCCAGGCCCGTCGATTTCGGAAGGAACCA
 CCAGTTTTATGCAGCAGGCAGTTTGGAGGAGCAATGGTACTTAGAAATCGTTGATAAAGGCAGTGTCTCT
 GCCCTACCTGCCAGGCAGTGGGGAGGAAGACCATAGAGGGTTTAAAGAAACACATGGAAAACCTGCAAGCA
 GGAAATGTTTACTTGTTCATCATTGTGGGAAACAACTTCGTTCACTGGCAGGGATGAAGTATCATGTCATG
 GCAATCATAATAGTTTGCCATTTTAAAGCCGGAGATGAAATAGATGAGCCAAGTGAAGGGGAAAGGC
 TCCGAACAGTTCTAAAGAGACTGGGAAAGCTCAGGTGCATGCGTGAGAGTTGCTCCAGTAGCTTCACCAG
 CATCATGGGATATCTCTACCATGTCAGAAAATGTGGCAAAGGGGCTGCAGAGCTGGAAAAGATGACCCTG
 AAATGTCAACCACTGTGGAAAACCATATAGGTGCAAGGCTGGACTTGCATATCACCTGAGGTGAGAGCATG
 GGCTATATCCTTCTTTCCAGAGTCAGGACAGCCAGAGTGCTTAAAGGAGATGAACCTAGAGTCAAAGAG
 TGGGGGCCGAGTTGAGAGACGTTCTGCCAAGATAGCTGTATACCACCTACAGGAGCTGGCCTCTGCTGAA
 CTGGCCAAGGAATGGCCCAAGAGGAAGGTGCTTACAGGACCTGGTACCTGATGATCGAAAGTTAAAATATA
 CTCGTCCAGGGCTCCCTACCTTCAGCCAGGAAGTACTACATAAATGGAAGACAGATATCAAGAAATATCA
 TCGTATTCAGTGTCTAACCCAGGGCTGTGAGGCTGTCTACAGCAGTGTATCTGGCCTTAAAGCTCACCTG
 GGCTCTTGTACATTGGGAAACTTTGTGGCTGGAAAATACAAATGTCTTCTATGTCAGAAAAGAAATTTGTG
 CAGAGAGTGGTGTCAAGTATCACATCAACTCCGTCCATGCTGAGGACTGGTTTCGTTGTAACCCCAACAAC
 AACCAAAAAGCTTTGAAAAGCTGATGAAGATAAAGCAGCGGCAGCAAGAAGAAGAAAAGCGGAGGCAGCAG
 CACAGGAGCAGAAGTCTCTAAGAAGGGCAGCAGCCTGGCATTGAGCTTCCCGAGACAGAGCTGAGTC
 TTAGAGTAGGGAAGGATCAGAGGAGGAATAATGAGGAACTGGTAGTGTCAGCCTCTGTAAGGAACCAGA
 GCAGGAGCCAGTGCCAGCACAGTCCAGAAAAGTAAAGCCCCAAAGACTAATCATAAACGAGGAAGGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234267 representing NM_001271318
 Red=Cloning site Green=Tags(s)

MKMRRIPAAATSHVEGSGVSAKGRKPRQEEDDYREFPQKKHKL YGRKQRPKTQPNPKSQARRIRKEP
 PVYAAGSLEEQWYLEIVDKGSVSCPTCQAVGRKTI EGLKHKHMENCKQEMFTCHHCQQLRSLAGMKYHVM
 ANHNSLPILKAGDEIDEPSEERLRTVLKRLGKLRMRESCSSSFTSIMGYLYHVRKCGKGA AELEKMTL
 KCHHCQPYRSKAGLAYHLRSEHGPI SFFPESGQPECLKEMNLESKSGGRVQRRSAKIAVYHLQELASAE
 LAKEWPKRKVLQDLVPDDRKLKYTRPGLPTFSQEV LHKWKTDIKKYHRIQCPNQCEAVYSSVSGLKAHL
 GSCTLGNFVAGKYKLLCQKEFVSESGVYHINSVHAEDWFFVNPPTTKSFEKLMKIKQRQEEKRRRQ
 HRSRRSLRRRQPGIELPETELSLRVGKDQRRNNEELVVSASCKEPEQEPVPAQFQKVKPPKTNHKGGRK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001271318

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_001271318.1](#), [NP_001258247.1](#)

RefSeq Size: 3703 bp

RefSeq ORF: 1473 bp

Locus ID: 84450

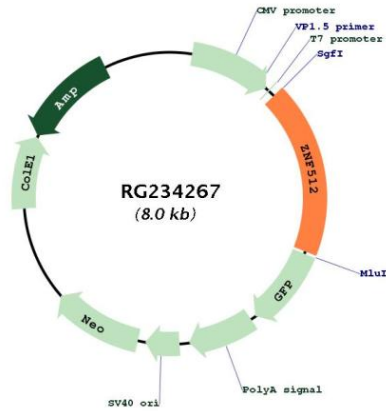
UniProt ID: [Q96ME7](#)

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 RG234267