

Product datasheet for **RG234386**

ZNF512 (NM_001271286) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF512 (NM_001271286) 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:

>RG234386 representing NM_001271286
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTCCAGACTCGGTGCTGTACCCGCCACTTCGGGACCCACAACCTTTAAGCAGCAGAGGAGCAGCA
 GGATCGTGGGAGCTAAGAACAGGACCCAGTGTCCATAAAGGATAATAGTTTCCAGTACACTATCCCTCA
 TGATGACTCCTTAAGTGGTTCATCGTCTGCATCTTCGTGTGAACCAAGTGAAGTATTTCCAGCATCTTTC
 CGAAAACTACTACTGGATGAAGATGAGAAGAATCAAGCCAGCTGCTACTTCTCATGTGCAAGGGTCAG
 GTGGAGTATCAGCCAAGGGGAAAAGGAAACCCAGGCAGGAAGAAGATGAAGACTATCGAGAATTTCTCA
 GAAGAAGCATAAGCTTTATGGCAGTTTGGAGGAGCAATGGTACTTAGAAATCGTTGATAAAGGCAGTGTC
 TCCTGCCCTACCTGCCAGGCAGTGGGGAGGAAGACCATAGAGGGTTTAAAGAAACACATGGAAAAGTCA
 AGCAGGAAATGTTTACTTGTATCATTGTGGGAAACAACCTTCGTTCACTGGCAGGGATGAAGTATCATGT
 CATGGCAAATCATAATAGTTTGGCCATTTTGAAGCCGGAGATGAAATAGATGAGCCAAGTGAAGGGAA
 AGGCTCCGAACAGTTCTAAAGAGACTGGGAAAGCTCAGGTGCATGCGTGAGAGTTGCTCCAGTAGCTTCA
 CCAGCATCATGGGATATCTTACCATGTGAGAAAATGTGGCAAAGGGGCTGCAGAGCTGGAAAAGATGAC
 CCTGAAATGTCACCACTGTGAAAACCATATAGGTGCAAGGCTGGACTTGCATATCACCTGAGGTGAGAG
 CATGGGCCTATATCCTTCTTCCAGAGTCAAGGACCCAGAGTGCCTAAAGGAGATGAACCTAGAGTCAA
 AGAGTGGGGGCCGAGTTCAGAGACGTTCTGCCAAGATAGCTGTATACCACCTACAGGAGCTGGCCTCTGC
 TGAAGTGGCCAAGGAATGGCCAAAGAGGAAGGTGCTTCAAGACCTGGTACCTGATGATCGAAAGTAAAA
 TATACTCGTCCAGGGCTCCCTACCTTCAAGCAGGAAGTACTACATAAATGGAAGACAGATCAAGAAAT
 ATCATCGTATTCAGTGTCTAACCAGGGCTGTGAGGCTGTCTACAGCAGTGTATCTGGCCTTAAAGCTCA
 CCTGGGCTCTTGTACATTGGGAAACTTTGTGGCTGGAAAATACAAATGCTTCTATGTCAGAAAAGAAATTT
 GTGTCAGAGAGTGGTGTCAAGTATCACATCAACTCCGTCATGCTGAGGACTGGTTCGTTGTAACCCAA
 CAACAACCAAAAGCTTTGAAAAGCTGATGAAGATAAAGCAGCGGCAGCAAGAAGAAGAAAAGCGGAGGCA
 GCAGCACAGGAGCAGAAGGTCTCTAAGAAGGCGGCAGCAGCCTGGCATTGAGCTTCCCGAGACAGAGCTG
 AGTCTTAGAGTAGGAAGGATCAGAGGAGGAATAATGAGGAACTGGTAGTGTGAGCCTCTGTAAGGAAC
 CAGAGCAGGAGCCAGTCCAGCACAGTTCAGAAAAGTAAAGCCCCAAAGACTAATCATAAACGAGGAAG
 GAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234386 representing NM_001271286
 Red=Cloning site Green=Tags(s)

MSSRLGAVPATSGPTTFKQQRSTRIVGAKNRTQCSIKDNSFYTIIPHDDSLSGSSASSCEPVDFPASF
 RKSTYWMKMRRRIKPAATSHVEGSGGVSAGKGRKPRQEDEDYREFPQKKHKL YGSLEEQWYLEIVDKGSV
 SCPTCQAVGRKTI EGLKHKHMENCKQEMFTCHHCGKQLRSLAGMKYHVMANHNSLPILKAGDEIDEPSERE
 RLRTVLKRLGKLRMRESCSSSFTSIMGYLYHVRKCGKGAEELEKMTLKCHHCGKPYRSKAGLAYHLRSE
 HGPI SFFPESGQPECLKEMNLESKSGGRVQRSAKIAVYHLQELASAELAKEWPKRKVLQDLVPDDRKLK
 YTRPGLPTFSQEV LHKWTDIKKYHRIQCPNQGEAVYSSV SGLKAHLGSCTLGNFVAGKYKCLLCQKEF
 VSESGVKYHINSVHAEDWFV VNPPTTKSFEKLMKIKQRQEEERQQRHSRRSLRRRQQPGI ELPETEL
 SLRVGKDQRRNNEELVVSASCKEPEQEPVPAQFQKVKPPKTNHKRGRK

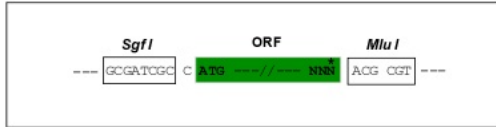
TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Kozac
Consensus

EcoR I *BamH I* *Kpn I* RBS *Sgf I* *Asc I*

CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

Hind III *Nhe I* *Rsr II* *Mlu I* *Not I* *Xho I* GFP Tag

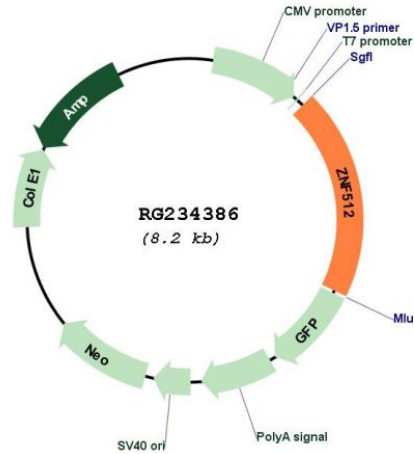
CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC - - - - -

T R T R P L E M E S D - - -

Pme I *Fse I*

- - - - - GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT

- - - E E R V Stop

Plasmid Map:


ACCN: NM_001271286

ORF Size: 1614 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:	<ol style="list-style-type: none">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:	<u>NM_001271286.1</u> , <u>NP_001258215.1</u>
RefSeq Size:	3515 bp
RefSeq ORF:	1617 bp
Locus ID:	84450
UniProt ID:	<u>Q96ME7</u>
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]