

Product datasheet for **RC234386**

ZNF512 (NM_001271286) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF512 (NM_001271286) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF512
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234386 representing NM_001271286
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTCCAGACTCGGTGCTGTACCCGCCACTTCGGGACCCACAACCTTTAAGCAGCAGAGGAGCAGCA
 GGATCGTGGGAGCTAAGAACAGGACCCAGTGCTCCATAAAGGATAATAGTTTCCAGTACACTATCCCTCA
 TGATGACTCCTTAAGTGGTTCATCGTCTGCATCTTCGTGTGAACCAAGTGAAGTATTTCCAGCATCTTTC
 CGAAAACTACTACTGGATGAAGATGAGAAGAATCAAGCCAGCTGCTACTTCTCATGTGCAAGGGTCAG
 GTGGAGTATCAGCCAAGGGGAAAAGGAAACCCAGGCAGGAAGAAGATGAAGACTATCGAGAATTTCTCA
 GAAGAAGCATAAGCTTTATGGCAGTTTGGAGGAGCAATGGTACTTAGAAAATCGTTGATAAAGGCAGTGTC
 TCCTGCCCTACCTGCCAGGCAGTGGGGAGGAAGACCATAGAGGGTTTAAAGAAACACATGGAAAAGTCA
 AGCAGGAAATGTTACTTGTGCATCATTGGGAAACAACCTTCGTTCACTGGCAGGGATGAAGTATCATGT
 CATGGCAAATCATAATAGTTTGGCCATTTTGAAGCCGGAGATGAAATAGATGAGCCAAGTGAAGGGAA
 AGGCTCCGAACAGTTCTAAAGAGACTGGGAAAGCTCAGGTGCATGCGTGAGAGTTGCTCCAGTAGCTTCA
 CCAGCATCATGGGATATCTTACCATGTGAGAAAATGTGGCAAAGGGGCTGCAGAGCTGGAAAAGATGAC
 CCTGAAATGTCACCACTGTGAAAACCATATAGGTGCAAGGCTGGACTTGCATATCACCTGAGGTGAGAG
 CATGGGCTATATCCTTCTTTCCAGAGTCAAGACAGCCAGAGTGCCTAAAGGAGATGAACCTAGAGTCAA
 AGAGTGGGGCCGAGTTCAGAGACGTTCTGCCAAGATAGCTGTATACCACCTACAGGAGCTGGCCTCTGC
 TGAAGTGGCCAAGGAATGGCCAAAGAGGAAGGTGCTTCAAGACCTGGTACCTGATGATCGAAAGTTAAAA
 TATACTCGTCCAGGGCTCCCTACCTTCAAGCAGGAAGTACTACATAAATGGAAGACAGATATCAAGAAAT
 ATCATCGTATTCAGTGTCTCAACAGGGCTGTGAGGCTGTCTACAGCAGTGTATCTGGCCTAAAGCTCA
 CCTGGGCTCTTGTACATTGGGAAACTTTGTGGCTGGAAAATACAAATGTCTTCTATGTCAGAAAGAATTT
 GTGTCAGAGAGTGGTGTCAAGTATCACATCAACTCCGTCATGCTGAGGACTGGTTCGTTGTAACCCAA
 CAACAACCAAAAGCTTTGAAAAGCTGATGAAGATAAAGCAGCGGCAGCAAGAAGAAGAAAAGCGGAGGCA
 GCAGCACAGGAGCAGAAGGTCTCTAAGAAGGCGGCAGCAGCCTGGCATTGAGCTTCCCGAGACAGAGCTG
 AGTCTTAGAGTAGGAAGGATCAGAGGAGGAATAATGAGGAAGTGGTGTGTCAGCCTCTGTAAGGAAC
 CAGAGCAGGAGCCAGTCCAGCACAGTTCAGAAAAGTAAAGCCCCAAAGACTAATCATAAACGAGGAAG
 GAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234386 representing NM_001271286
 Red=Cloning site Green=Tags(s)

MSSRLGAVPATSGPTTFKQQRSTRIVGAKNRTQCSIKDNSFYTI PHDDSLSGSSSASSCEPVSDFPASF
 RKSTYWMKMRRRIKPAATSHVEGSGVSAKGKRKPRQEDEDYREFPQKKHKL YGSLEEQWYLEIVDKGSV
 SCPTCQAVGRKTIEGLKKHMENCKQEMFTCHHCQQLRSLAGMKYHVMANHNSLPILKAGDEIDEPSERE
 RLRTVLKRLGKLRMRESCSSSFTSIMGYLYHVRKCGKAAELEKMTLKCHHCQKPYRSKAGLAYHLRSE
 HGPI SFFPESQPECLKEMNLESKSGGRVQRRSAKIAVYHLQELASAELAKEWPKRKVLQDLVPDDRLLK
 YTRPGLPTFSQEVLHKWTDIKKYHRIQCPNQGEAVYSSVSGLKAHLGSCTLGNFVAGKYKCLLCQKEF
 VSESGVKYHINSVHAEDWFVVPNTTTSFEKLMKIKQRQEEKRRQHRSLRRRQPGIELPETEL
 SLRVGKDQRRNNEELVVSASCKEPEQEPVPAQFQKVKPPKTNHKGGRK

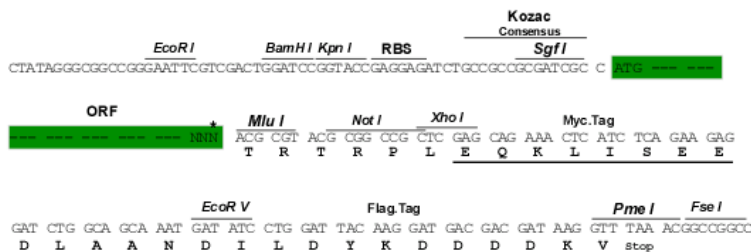
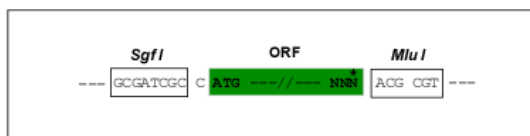
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

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:

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_001271286.1](#), [NP_001258215.1](#)
RefSeq Size: 3515 bp

RefSeq ORF: 1617 bp

Locus ID: 84450

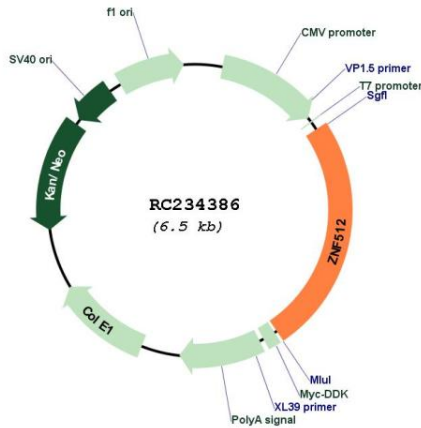
UniProt ID: [Q96ME7](#)
Cytogenetics: 2p23.3

Protein Families: Transcription Factors

MW: 61.8 kDa

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 RC234386