

Product datasheet for **RC219856**

ZNF512 (NM_032434) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF512 (NM_032434) 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:

>RC219856 representing NM_032434
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCCAGACTCGGTGCTGTACCCGCCACTTCGGGACCCACAACCTTTAAGCAGCAGAGGAGCAGCA
 GGATCGTGGGAGCTAAGAATAGCAGGACCCAGTCTCCATAAAGGATAATAGTTTCCAGTACACTATCCC
 TCATGATGACTCCTTAAGTGTTTCATCGTCTGCATCTTCGTGTGAACCAGTGAGTGATTTCCAGCATCT
 TTCCGAAAATCTACCTACTGGATGAAGATGAGAAGAATCAAGCCAGCTGCTACTTCTCATGTGCAAGGGT
 CAGGTGGAGTATCAGCCAAGGGGAAAAGGAAACCCAGGCAGGAAGAAGATGAAGACTATCGAGAATTTCC
 TCAGAAGAAGCATAAGCTTTATGGGAGGAAGCAACGGCCATAAACTCAGCCCAATCCCAATCCCAGGCC
 CGTCGTATTTCGGAAGGAACCACAGTTTATGCAGCAGGCAGTTTGGAGGAGCAATGGTACTTAGAAATCG
 TTGATAAAGGCAGTGTCTCCTGCCCTACCTGCCAGGCAGTGGGGAGGAAGACCATAGAGGGTTTAAAGAA
 ACACATGGAAAACGCAAGCAGGAAATGTTTACTTGTGCATCATTGTGGGAAACAACCTTCGTTCACTGGCA
 GGGATGAAGTATCATGTGCATGGCAAATCATAATAGTTTGGCCATTTTGAAGCCGGAGATGAAATAGATG
 AGCCAAGTGAGAGGGAAAAGGCTCCGAACAGTCTAAAGAGACTGGGAAAGCTCAGGTGCATGCGTGAGAG
 TTGCTCCAGTAGCTTACCAGCATCATGGGATATCTCTACCATGTGAGAAAATGTGGCAAAGGGGCTGCA
 GAGCTGGAAAAGATGACCCTGAAATGTCACCACTGTGGAAAACCATATAGGTGCAAGGCTGGACTTGCAT
 ATCACCTGAGGTGAGAGCATGGGCTATATCCTTCTTCCAGAGTCAGGACAGCCAGAGTGCTTAAAGGA
 GATGAACCTAGAGTCAAAGAGTGGGGCCGAGTTCAGAGACGTTCTGCCAAGATAGCTGTATACCACCTA
 CAGGAGCTGGCCTCTGCTGAACCTGGCCAAAGGAATGGCCCAAGAGGAAGGTGCTTCAGGACCTGGTACCTG
 ATGATCGAAAAGTTAAAAATACTCGTCCAGGGCTCCCTACCTTCAGCCAGGAAGTACTACATAAAATGGAA
 GACAGATATCAAGAAATATCATCGTATTACAGTGTCCCTAACCCAGGGCTGTGAGGCTGTCTACAGCAGTGTA
 TCTGGCCTTAAAGCTCACCTGGGCTCTGTACATTGGGAAACTTTGTGGCTGGAAAATACAAATGTCTTC
 TATGTGAGAAAAGATTTGTGTCAGAGAGTGGTGTCAAGTATCACATCAACTCCGTCCATGCTGAGGACTG
 GTTCGTTGTAACCCAAACAACAACCAAAAGCTTTGAAAAGCTGATGAAGATAAAGCAGCGGCAGCAAGAA
 GAAGAAAAGCGGAGGCAGCAGCACAGGAGCAGAAGGTCTCTAAGAAGCGGCAGCAGCCTGGCATTGAGC
 TTCCCAGACAGAGCTGAGTCTTAGAGTAGGGAAGGATCAGAGGAGGAATAATGAGGAACTGGTAGTGTC
 AGCCTCCTGTAAGGAACCAGAGCAGGAGCCAGTCCAGCACAGTCCAGAAAAGTAAAGCCCCAAAGACT
 AATCATAAACGAGGAAGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219856 representing NM_032434
 Red=Cloning site Green=Tags(s)

MSSRLGAVPATSGPTTFKQQRSTRIVGAKNSRTQCSIKDNSFQYTI PHDDSLSGSSASSCEPVSDFPAS
 FRKSTYWMKMRRIPKPAATSHVEGSGGVSAGKGRKPRQEEDEDYREFPQKKHKLYGRKQRPKTQPNPKSQA
 RRIRKEPPVYAAGSLEEQWYLEIVDKGSVSCPTCQAVGRKTIEGLKHKHMENCKQEMFTCHHCCKQLRSLA
 GMKYHVMANHNSLPILKAGDEIDEPSEERLRTVLKRLGKLRMRESCSSSFTSIMGYLYHVRKCGKGAA
 ELEKMTLKCHHCCKPYRSKAGLAYHLRSEHGPIISFFPESGQPECLKEMNLESKSGGRVQRRSAKIAVYHL
 QELASAEALAKEWPKRKVLQDLVPDDRKLKYTRPGLPTFSQEVLHKWKTDIKKYHRIQCPNQGCEAVYSSV
 SGLKAHLGSCITLGNFVAGKYKLLCQKEFVSESGVKYHINSVHAEDWFVNPPTTKSFEKLMKIKQRQQE
 EEKRRQHRSRRLRRRQPGIELPETELSLRVGKDQRRNNEELVVSASCKEPEQEPVPAQFQKVKPPKT
 NHKRGRK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8019_b08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN: NM_032434

ORF Size: 1701 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_032434.4](#)
RefSeq Size: 3460 bp

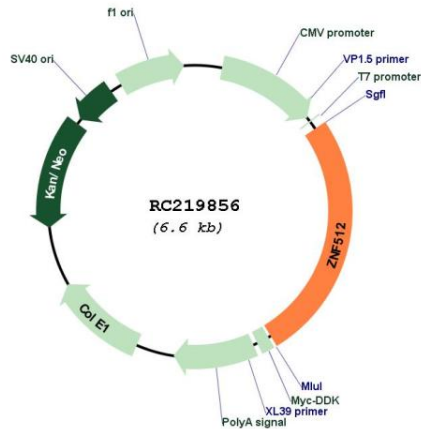
RefSeq ORF: 1704 bp

Locus ID: 84450

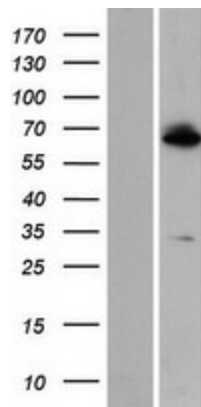
UniProt ID: [Q96ME7](#)
Cytogenetics: 2p23.3

Domains: zf-C2H2
Protein Families: Transcription Factors
MW: 64.5 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 RC219856



Western blot validation of overexpression lysate (Cat# [LY410128]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219856 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).