

Product datasheet for **RC224010**

ZNF510 (NM_014930) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF510 (NM_014930) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF510
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC224010 representing NM_014930
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTGCCACATCCAGAAGCCATCACAGATTGTGTGACTGAACACTGTGGCCAACTGCAGAAGGTG
GTTATCCTTTACGGTTCTCCACACTCTTTCAGGAGCAGCAGAAAATGAACATATCTCAGGCATCAGTGTC
ATTCAAGGACGTGACTATAGAATTCACCCAGGAGGAGTGGCAGCAAATGGCCCTGTTCAGAAGAATCTG
TACAGAGATGTGATGCTGGAGAACTACAGCAACCTCGTCTCAGTGGGTACTGCTGTTTCAAACCAGAGG
TGATCTTCAAGTTGGAGCAAGGAGAGGAGCCTTGGTTCTCAGAGGAGGAATTCCAAACCAGAGTCAACC
AAAAGATTACAGAGGTGATGACCTGATCAAGCAGAACAAGAAAATCAAAGACAAACACTTGGAGCAAGCA
ATATGTATCAATAATAAACATTGACTACAGAGGAAGAGAAAAGTTTTGGGAAACCATTTACTCTGCATG
TAGCTGCTGTTGCTTCACAAAAATGCCTGCAAAATGCAACTCATGGGAAGTGAATTTGCAAAGTATTTT
TGAAATTTATCATTAAATAAGAACTATTCAACAAAGAAAATAGTTGCGGTAATGTATGTGAGAATTCA
CCTTTCAAATAAATTTGAGAAAACCTCAGACTGGAGAGAAAATTTATGAACATAATAAAAAACATGAAAG
CTCTCAATTATAATGAAAATCTTCCCAAGCATCAAAGTTTCAAACCTTTGGAGCAAGCTTTTGAATGTAA
TAAAATTGGAAAAGCCTTTAATGATAAGGCTAACTGTGTTAAACATAACAGTTTCTCACACAGGAGAAAAC
TCCTCTAAAGATGATGAATTTAGGAAAAATGTGATAAGAAAACCTCTTTGACCACAGGAGAACTGGCA
CAGGGAAGAAACCTGCATCTTAATCAATGTGGGAAATCCTTTGAGAAGTCAACTGTGGAGGAATATAA
TAACTTAATATGGGTATAAACATTATGAATTAATCCAAGTGGAAATAATTTCAACAGAAAGGCACAC
CTCACTGATCCTCAAACAGCTGTCATAGAAGAGAACCCATTGGTAAGTAAATGACAGAACACAGACTTGGG
TTAAATCCTCTGAATATCATGAAAATAAGAAATCCTACCAGACGTCGGTTCACAGAGTTCGCCGAAGAAG
TCACTCAATGATGAAACCTATAAATGTAATGAATGTGGGAAATCCTTCTGTGAGAAAGGACATCTCATT
CAACATCAGAGAACTCACACAGGAGAGAAAACCTTTGAATGTAGTGAATGTGAAAAAATTTCTCCAGAG
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AGTGAATGTGGGAAAATTTTGTTCAGAAGTCCACCTCAGAGATCATCACAGAATTCACACAGGGGAGA
AATCCTTTCAATGCAATCAATGTGGAAAAACATTTGGCCAGAAGTCAAACCTCAGAATACATCAGAGAAC
TCACACTGGGAGAAAACTTACCAGTGAATGAATGTGAAAAATCCTTCTGGCGAAAAGATCATCTCATT
CAACATCAGAAAACCTCACACGGGAGAGAAAACCTTCAAATGTAACGAATGTGGGAAAATTTGCCCGGA
CATCAACCTCAGAGTGCATCAAAGAATTCACACTGGGGAGAAACATTTAAATGTAATGAATGTGGGAA
GAAATTTGTCCGAAAAGCAATCCTTAGTGATCATCAGAGAATTCACACAGGGGAGAAAACCTTTTCACTGT
AATAAATGTGGGAAAATTTTGGCCAGAATCAAACCTCAGAATACATCAAAGGACTCACAGTGGGGAGA
AATCTTATGAATGCAATGAATATGGGAAATTAATGAAGAAGTCTACCCTAAGCTTATACCAGAAAATTC
GGGAGAGGGGAATCCCTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224010 representing NM_014930
Red=Cloning site Green=Tags(s)

MSPHPEAITDCVTLNTVGQLAEGGYPLRFSTLFQEQQKMNISQASVSFKDVTIEFTQEEWQQMAPVQKNL
 YRDVMLENYSNLVSVGCCFKPEVIFKLEQGEPPWFSEEEFSNQSHPKDYRGDDL IKQNKIKDKHLEQA
 ICINNKTLTTEEEKVLGKPFTHVAAVASTKMCKNSWEVNLQSISEFI INNRNYSTKKIGCGNVCENS
 PFKINFEKTQTGEKFYEHNKMKALNYNENLPKHPKFQTLQAFECNKIGKAFNDKANCVKHNSSTGET
 SSKDDEFKNCDDKTLFDHRRGTGKHLHLNQCGKSFEKSTVEEYNKLNMGIKHYELNPSGNNFNRAH
 LTDPQTAVIEENPLVSNDRQTWVKSSEYHENKSYQTSVHRVRRRSHSMMPYKNECGKSFCCQKGLI
 QHQRHTGKPFECSECGKTFSSQKSHLSTHQRIHTAEKPYKNECGKTFVQKSTLRGHQRIHTGKPYEC
 SECCKTFVQKSTLRDHHRIHTGKSFQCNQCGKTFGQKSNLRIHQRTHTGKTYQCNECEKSFWRKDHLI
 QHQKHTGKPFKNECGKTFARTSTLRVHQRIHTGKPFKNECGKFFVRKAILSDHQRIHTGKPFQC
 NKCGKTFGQKSNLRIHQRTHSGEKSYECNEYGKLCCKSTLSLYQKIQEGENPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_014930

ORF Size: 2049 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_014930.2](#)

RefSeq Size: 5154 bp

RefSeq ORF: 2052 bp

Locus ID: 22869

UniProt ID: [Q9Y2H8](#)

Cytogenetics: 9q22.33

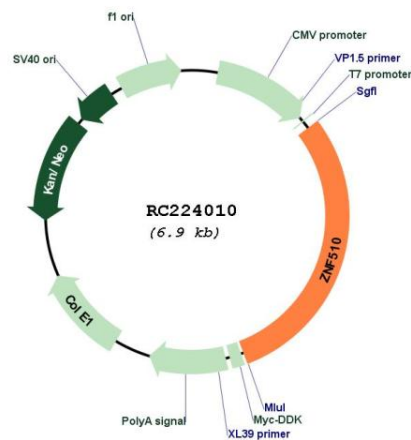
Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

MW: 79 kDa

Gene Summary: This gene encodes a krueppel C2H2-type zinc-finger protein family member. The encoded protein is expressed in several cancer cell types and may be a biomarker for early diagnosis of these cancers. [provided by RefSeq, Sep 2015]

Product images:



Circular map for RC224010