

Product datasheet for **RG224010**

ZNF510 (NM_014930) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF510 (NM_014930) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF510
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG224010 representing NM_014930
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCGCCACATCCAGAAGCCATCACAGATTGTGTGACTGAACACTGTGGCCAACTGCAGAAGGTG
GTTATCCTTTACGGTTCTCCACACTCTTTCAGGAGCAGCAGAAAAATGAACATATCTCAGGCATCAGTGTC
ATTCAAGGACGTGACTATAGAATTCACCCAGGAGGAGTGGCAGCAAATGGCCCTGTTCAGAAGAATCTG
TACAGAGATGTGATGCTGGAGAACTACAGCAACCTCGTCTCAGTGGGTACTGCTGTTTCAAACCAGAGG
TGATCTTCAAGTTGGAGCAAGGAGAGGAGCCTTGGTTCTCAGAGGAGGAATTCCAAACCAGAGTCAACC
AAAAGATTACAGAGGTGATGACCTGATCAAGCAGAACAAGAAAAATCAAAGACAAACACTTGGAGCAAGCA
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TAGCTGCTGTTGCTTCACAAAAAATGCCTGCAAAATGCAACTCATGGGAAGTGAATTTGCAAAGTATTTT
TGATTTATCATTAAATAAGAACTATTCAACAAAGAAAAATAGTTGCGGTAATGTATGTGAGAATTCA
CCTTTCAAATAAATTTGAGAAAACTCAGACTGGAGAGAAAAATTTATGAACATAATAAAAAACATGAAAG
CTCTCAATTATAATGAAAATCTTCCAAGCATCAAAGTTTCAAACCTTTGGAGCAAGCTTTTGAATGTAA
TAAAATTGGAAAAGCCTTTAATGATAAGGCTAACTGTGTTAAACATAACAGTTTCTCACACAGGAGAAACA
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CAGGGAAGAAACCTGCATCTTAATCAATGTGGGAAATCCTTTGAGAAGTCAACTGTGGAGGAATATAA
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CAACATCAGAAAACCTCACACGGGAGAGAAACCATTCAAATGTAACGAATGTGGGAAAATTTGCCCGGA
CATCAACCCTCAGAGTGCATCAAAGAATTCACACTGGGGAGAAACCATTTAAATGTAATGAATGTGGGAA
GAAATTTGTCCGAAAAGCAATCCTTAGTGATCATCAGAGAATTCACACAGGGGAGAAACCCTTTCAGTGT
AATAAATGTGGGAAAATTTTGGCCAGAAATCAAACCTCAGAATACATCAAAGGACTCACAGTGGGGAGA
AATCTTATGAATGCAATGAATATGGGAAATTAATGAAGAAGTCTACCCTAAGCTTATACCAGAAAAATTC
GGGAGAGGGGAATCCCTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224010 representing NM_014930
 Red=Cloning site Green=Tags(s)

MSPHPEAITDCVTLNTVGQLAEGGYPLRFSTLFQEQQKMNISQASVSFKDVTIEFTQEEWQQMAPVQKNL
 YRDVMLENYSNLVSVGYCCFKPEVIFKLEQGEPPWFSEEEFSNQSHPKDYRGDDL IKQNKKIKDKHLEQA
 ICINNKTLTTEEEKVLGKPFTHVAAVASTKMCKNSWEVNLQSISEFI INNRNYSTKKIGCGNVCENS
 PFKINFEKTQTGEKFYEHNKNMKALNYNENLPKHPKFQTLQAFECNKIGKAFNDKANCVKHNSSTGET
 SSKDDEFKNCDDKTLFDHRRGTGKHLHLNQCCKSFEKSTVEEYNKLNMGIKHYELNPSGNNFNRAH
 LTDPQTAVIEENPLVSNDRQTWVKSSEYHENKSYQTSVHRVRRRSHSMMPYKNECGKSFCCQKGLI
 QHQRHTHGEKPFECSECGKTFQSQSHLSTHQRIHTAEKPYKNECGKTFVQKSTLRGHQRIHTGEKPYEC
 SECGKTFVQKSTLRDHHRIHTGEKSFQCNQCGKTFGQKSNLRIHQRTHTGEKTYQCNECEKSFWRKDHLI
 QHQKTHTEKPFKNECGKTFARTSTLRVHQRIHTGEKPFKNECGKFFVRKAILSDHQRIHTGEKPFQC
 NKCGKTFGQKSNLRIHQRTHSGEKSYECNEYGKLCCKSTLSLYQKIQEGPNPY

TRTRPLE - GFP Tag - V

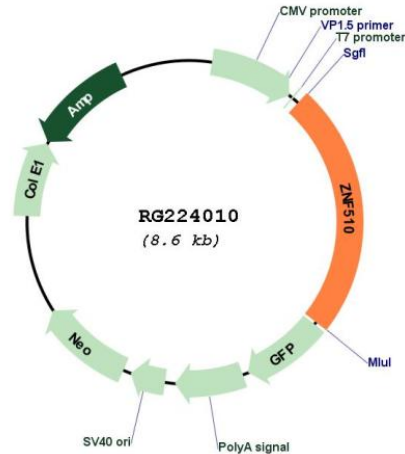
Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


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
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]