

Product datasheet for **RC201303**

ZSCAN5 (ZSCAN5A) (NM_024303) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZSCAN5 (ZSCAN5A) (NM_024303) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZSCAN5
Synonyms:	ZNF495; ZSCAN5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC201303 representing NM_024303
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCAAATTGCACATCCTCATGGAGTCTAGGAGAATCCTGCAACAGACCTGGGTTGGAGCTGCCAC
 GGTCTATGGCATCCTCAGAACTCAACTTGGAAATCACGACGTGGACCCTGAGATTTCTCACGTGAACTT
 CAGGATGTTAGCTGCCGAAGGAGTCGGACCCATCCAGGCTCTGAGGAACTCACTGAGCTGTGCCAT
 CTGTGGCTGAGGCCGACCTCCACACCAAGAGCAGATCCTGGACATGCTGGTATGGAGCAGTTTCATGA
 TCTCCATGCCAGGAGCTCCAGGTCTTAGTCATGATGAACGGTGTGCAGAGCTGCAAAGACCTGGAGGA
 CCTGCTACGAAATAACAGAAGACCCAAGAAATGGTCTGTGGTCACCTCCACGAAAGGAATATATTGTG
 CAGGACTCAGATATCGAGATGGCTGAAGCCCCCTCCAGTGTGAGAGATGATCTGAAAGACGTGTCCAGCC
 AACGGGCTCCTCGGTGAACAGATGCGTCCAGGGGAAGGCCAGGCCACCGAGAGCTGCAGATCCTGCC
 CAGGGTCCCTGCATTGTCCAGGAGCAGGGAGAGGACTTTCTGCTACACAAGAGTATTGACGTAACAGGT
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 GACTGACATCCCCAGAGCCTCAGCTTCCAAAGAGTCCCACAGATCTGGTGAAGCAAGGAGGGGAGGA
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 GCTTCGACTCACAGCGGGAACAGAGGAGACGCTCTGAATCTGAGCAGTCCCAAAGAAGCAAACCAGATG
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 AAGGACTGCCGCCCTTGCATGTGACGTGTGCGAGAAGAGGTTACGTGTAATTCGAAGCTAGTCATCC
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 TAGCCTCCAATTTACCAGCGAACCCACACTGGCGAGAGGCCCTACACGTGTGACGTCTGCCAGAAGCAG
 TTCACCCAGAAGTCTACTTGAAGTGTACAAGAGAAGCCACACAGGGGAGAAGCCCTTCGAATGTAAG
 ACTGCAAGAAAGTTTTACCTACAGGGGAGCCTGAAGGAGCACCAGCGCATCCACTCCGGAGAGAAACC
 CTACAAATGTTCCAAGTGTCCAAGAGCCTTCAGTCGGCTGAAATTGTTAAGACGCCACCAGAAAACACAT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201303 representing NM_024303
 Red=Cloning site Green=Tags(s)

MAANCTSSWSLGESENRPGLELPRSMASSETQLGNHDVDPEISHVNFVRFMFCPKESDPIQALRKLTELCH
 LWLRPDLHTKEQILDMLVMEQFMI SMPQELQVLVMMNGVQSKDLEDLLRNNRRPKKWSVVFHKGKEYIV
 QSDSIEMAEAPSSVRDDLKDVSSQRASSVNQMRPGEQAHRELQILPRVPALSRQGEDFLLHKSIDVTG
 DPKSLRPKQTLKDLKENREENPGLTSPEPQLPKSPTDLVRAKEGKDPKIASVENVDADTPSACVVERE
 ASTHSGNRGDALNLSPPKRSKPDASSISQEEPQGEATPVGNRESPGQAGMNSIHSPGPASPVSHPDGQEA
 KALPPFACDVCEKRFTCNSKLVVHKRSHTGERLFQCNLCGKRFMQLISLQFHQRTHGERPYTCDVCQKQ
 FTQKSYLKCHKRSHTGEKPFECKDKKVFVYRGSLEKHEQRVHSGEKPYKCSKCPRAF SRLKLLRRHQKTH
 PEATSQ

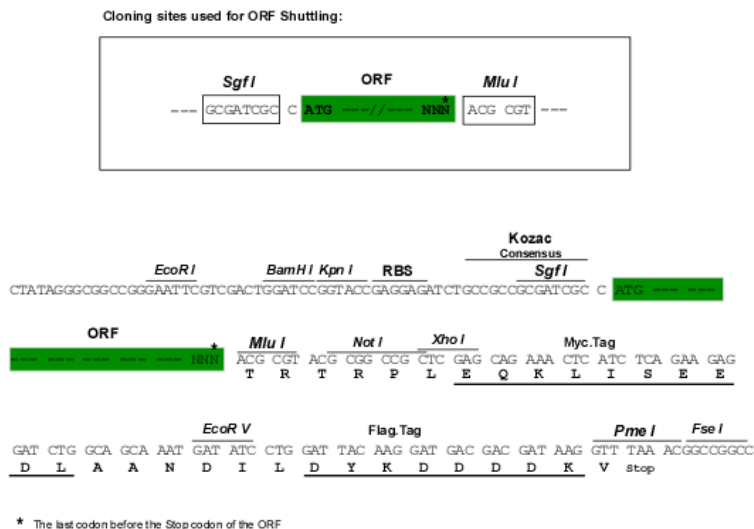
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8112_c03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_024303

ORF Size: 1488 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_024303.2](#)

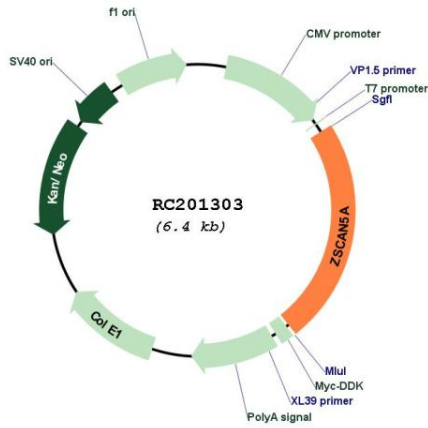
RefSeq Size: 1938 bp

RefSeq ORF: 1491 bp

Locus ID: 79149

UniProt ID: Q9BUG6
Cytogenetics: 19q13.43
Domains: LER, zf-C2H2
Protein Families: Transcription Factors
MW: 55.7 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC201303