

Product datasheet for **RG201303**

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:	TurboGFP
Symbol:	ZSCAN5
Synonyms:	ZNF495; ZSCAN5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG201303 representing NM_024303
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTGCAAATTGCACATCCTCATGGAGTCTAGGAGAATCCTGCAACAGACCTGGGTTGGAGCTGCCAC
 GGTCTATGGCATCCTCAGAACTCAACTTGGAATCACGACGTGGACCCTGAGATTTCTCAGTGAACTT
 CAGGATGTTTCTGAGTCCCGAAGGAGTCGACCCCATCCAGGCTCTGAGGAACTCACTGAGCTGTGCCAT
 CTGTGGCTGAGGCCGACCTCCACACCAAGAGCAGATCCTGGACATGCTGGTGTGAGCAGTTTCATGA
 TCTCCATGCCCGAGGCTCCAGGTCTTAGTCATGATGAACGGTGTGCAGAGCTGCAAAGACCTGGAGGA
 CCTGCTACGAAATACAGAAGACCCAAGAAATGGTCTGTGGTCACCTCCACGGAAGGAATATATTGTG
 CAGGACTCAGATATCGAGATGGCTGAAGCCCCCTCAGTGTGAGAGATGATCTGAAAGACGTGTCCAGCC
 AACGGGCTCCTCGGTGAACAGATGCGTCCAGGGGAAGGCCAGGCCACCGAGAGCTGCAGATCCTGCC
 CAGGGTCCCTGCATTGTCCAGGAGCAGGAGAGGACTTTCTGCTACACAAGAGTATTGACGTAACAGGT
 GACCCAAAGTCTCTGAGACCCAAGCAGACCTTGGAGAAGGATCTGAAGGAAAACAGGGAAGAGAACCCAG
 GACTGACATCCCCAGAGCCTCAGCTTCCAAAGAGTCCCACAGATCTGGTGAAGCAAGGAGGGGAAGGA
 CCCCCAAAAATAGCCTCTGTGGAATGTGGATGCTGACACACCTTCTGCCTGCGTTGTGGAGAGAGAA
 GCTTCGACTCACAGCGGGAACAGAGGAGACGCTCTGAATCTGAGCAGTCCCAAGAAAGCAACACAGATG
 CCTCTCCATTTCCCAAGAAGAGCCTCAAGGAGAAGCCACACCTGTGGCAACAGAGAATCCCCGGGACA
 AGCTGGGATGAATTCAATTCATTCAGGAGGCTGCGAGCCAGTCAGTACCCGGATGGCAAGAAGCC
 AAGGCACTGCCGCCCTTTCATGTGACGTGTGCGAGAAGAGGTTACGTGTAATTCAGCTAGTCATCC
 ACAAGATCACACAGGCGAGAGACTCTTCAATGTAATCTCTGTGGGAAGCGCTTCATGCAGCTTAT
 TAGCCTCCAATTTACCAGCGAACCACACTGGCGAGAGGCCCTACACGTGTGACGTCTGCCAGAAGCAG
 TTCACCCAGAAGTCTACTTGAAGTGTACAAGAGAAGCCACACAGGGGAGAAGCCCTTCGAATGTAAG
 ACTGCAAGAAAGTTTTCACCTACAGGGGAGCCTGAAGGAGCACCAGCGCATCCACTCCGGAGAGAAACC
 CTACAAATGTTCCAAGTGTCCAAGAGCCTTCAGTCGGCTGAAATTGTTAAGACGCCACCAGAAAACACAT
 CCAGAAGCTACTTCTCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

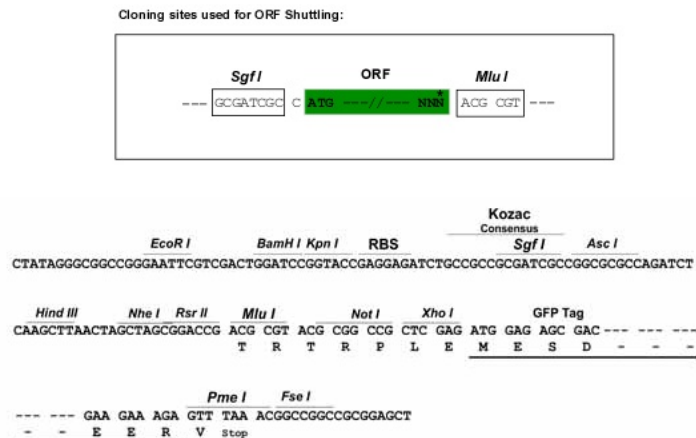
>RG201303 representing NM_024303
 Red=Cloning site Green=Tags(s)

MAANCTSSWSLGESCNRPGLLEPRSMASSETQLGNHDVDPEISHVNFMRMFCPKESDPIQALRKLTCLCH
 LWLRPDLHTKEQILDMLVMEQFMISMPQELQVLVMMNGVQSKDLEDLLRNNRRPKKWSVTFHKEYIV
 QDSIDIEMAEAPSSVRDDLKDVSSQRASSVNQMRPGEGQAHRELQILPRVPALSRQGEDFLLHKSIDVTG
 DPKSLRPKQTLKDLKENREENPGLTSPEPQLPKSPTDLVRAKEGKDPPKIASVENVDADTPSACVVERE
 ASTHSGNRGDALNLSPPKRSKPDASSISQEEPQGEATPVGNRESPQAGMNSIHSPGPASPVSHPDGQEA
 KALPPFACDVCEKRFTCNLSKLVHKRSHTGERLFQCNLCGKRFMLISLQFHRHTHTGERPYTCDVCQKQ
 FTQKSYLKCHKRSHTGEKPFCKDCKKVFTYRGSLEKHQRIHSGEKPKYKSKCPRAFSLKLLRRHQKTH
 PEATSQ

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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.

RefSeq: [NM_024303.2](#)

RefSeq Size: 1938 bp

RefSeq ORF: 1491 bp

Locus ID: 79149

UniProt ID: [Q9BUG6](#)

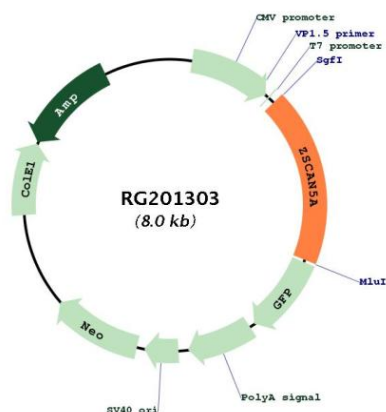
Cytogenetics: 19q13.43

Domains: LER, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201303