

Product datasheet for **RC229247**

ZSCAN5B (NM_001080456) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZSCAN5B (NM_001080456) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZSCAN5B
Synonyms:	ZNF371; ZNF495B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC229247 representing NM_001080456
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCAAATTGGACTCTCATGGGTGAGGAGACCCTGCAACAGCCCTGGGTGAGACTCCAC
 GGTCTGTGGCGTCCCAGAACTCAACTTGGAAATCACGACAGGAACCCTGAGACTTGGACATGAATTT
 CAGGATGTTAGCTGCCAGAGGAGTCGACCCCATCCAGGCTCTGAGGAACTCACTGAGCTGTGCCAT
 CTGTGGCTGAGGCCGACCTCCACACAAAGAGCAGATCTGGACATGCTGGTATGGAGCAGTTTCATGA
 TCTCCATGCCAGGAGCTCCAGGTCTTAGTCAAGGTGAACGGTGTGCAGAGCTGCAAAGACCTGGAGGA
 CCTGCTACGAAATAACAGAAGACCCAAGAAATGGTCTATAGTCAACTTGTCTCGCAAAGAATATCTTATG
 CTGAACTCAGATGTCGAGATGGCTGAAGCCCCGCCAGTGTGAGAGATGATCCGAGAGACGTGTCCAGCC
 AGTGGGCTCCTCTGTGAACCAGATGCATCCGGGGACAGGCCAGGCCCGGAGAGCAGCAGATCCTGCC
 CAGGGTCTGCTGACTGTCCAGGAGCAGGGAGAGGACTTCTGCTACACAAGAGTATTGACGTAACAGGT
 GACCCAACTCTCCGAGACCCAAGCAGACTTGGAGAAGGATCTGAAGGAAAACAGGGAAGAGAACCAG
 GACTGTATCCCCAGAGCCTCAGCTTCCAAAGAGTCCCAATCTGGTGAAGAGCAAAGGAGGGGAAGGAACC
 CCAGAAAAGAGCCTCTGTGAAAATGTGGATGCTGACACACCTTCTGCTGCGTTGTGGAGAGAGAAGCT
 TTGACTCACAGCGGGAACAGAGGAGATGCTCTGAATCTGAGCAGTCCAAAAGAAGCAAACCAGATGCTT
 CCTCCATTTCCCAAGAAGAGCCTCAAGGAGAAGCCACACCTGTGGGAACAGAGAATCCCAGGACAAGC
 TGAGATCAATCCAGTTCATCCCCAGGCCCTGCGGGCCCGGTGAGTACCCAGATGGCCAAGAAGCCAAG
 GCCCTGCCGCCCTTTGCATGTGACGTGTGCAATAAATCATTAAAGTATTTTTCCAGCTAAGCATCCACA
 GGAGGTACACACAGGAGACAGACCCTTCAATGTGATCTCTGTGGAAGCGCTTCTTGCAGCCCTCACA
 CCTCCGAGTTTACCAGCGAGTCCACACTGGCAGAGGCCCTACATGTGTGACGTCTGCCAAAAGCGGTTT
 GCCCACGAGTCCACCTTACAGGGCCACAAGAGGATCCACACCGGGGAGAGGCCGTTTAAATGTAATACT
 GCAGCAAAGTTTTAGCCACAAGGGGAACCTGAACGTTACCAGCGCACCCACTCCGAGAGAGAAGCCCTA
 CAAATGTCCCACCTGTCAAAGGCCTTCCGTCAGCTGGGGACATTCAAGCGTCACCTGAAAACACACCGG
 GAAACCACCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC229247 representing NM_001080456
 Red=Cloning site Green=Tags(s)

MAANWTLSWGQGGPCNSPGSDTPRSVASPETQLGNHDRNPETWHMNFMRMFSPEESDPIQALRKLTELCH
 LWLRPDLHTKEQILDMLVMEQFMI SMPQELQVLVKVNGVQSKDLEDLLRNNRRPKKWSIVNLLGKEYLM
 LNSDVEMAEAPASVRDDPRDVSSQWASSVNQMHPGTGQARREQQILPRVAALSRQGEDFLLHKSIDVTG
 DPNSPRPKQTLEKDLKENREENPGLSSPEPQLPKSPNLVRAKEGKPEQKRASVENVDADTPSACVVEREA
 LTHSGNRGDALNLSPPKRSKPDASSISQEEPQGEATPVGNRES PGQAEINPVHSPGPAGPVSHPDGQEA
 ALPPFACDVCNKSFKYFSQLSIHRSHTGDRPFQCDLCKRFLQPSDLRVHQRVHTGERPYMCDVCQKRF
 AHES TLQGHKRIHTGERPFKCKYCSKVF SHKGNLNVHQRTHSGEKPYKPCPTCQKAFRQLGTFKRHLKTHR
 ETTSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8036_a08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001080456

ORF Size: 1485 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_001080456.2](#), [NP_001073925.2](#)

RefSeq ORF: 1488 bp

Locus ID: 342933

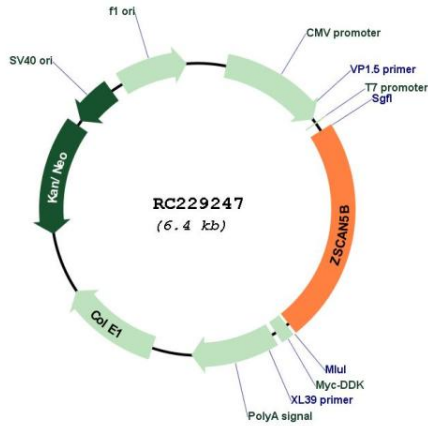
UniProt ID: [A6NJL1](#)

Cytogenetics: 19q13.43

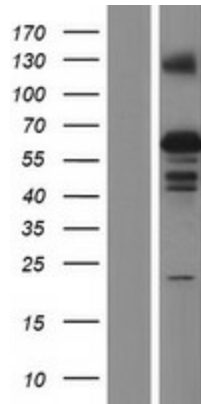
MW: 55.6 kDa

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

Product images:



Circular map for RC229247



Western blot validation of overexpression lysate (Cat# [LY432267]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229247 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).