

Product datasheet for **RC211929**

ZSCAN2 (NM_001007072) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZSCAN2 (NM_001007072) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZSCAN2
Synonyms:	ZFP29; ZNF854
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211929 representing NM_001007072 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCTGCAGACATCCCGAGAGTGACCACTCCGCTGAGCTCCTTGGTCCAGGTGCCTCAAGAGGAAG
ATAGACAGGAGGAGGAGGTCAACCATGATCCTGGAGGATGACTCCTGGGTGCAAGAAGCTGTGCTGCA
GGAGGATGGCCCTGAGTCTGAGCCCTTTCCCGAGAGTGTGGCAAGGGCGGCCCCAGGAGGAGGTGACC
AGGGGACCACAGGGTGCCTCGGCCGCTCCGAGAGCTCTGCCGCGCTGGCTGAGACCAGAGGTACACA
CCAAGGAGCAGATGTTAACCATGCTGCCAAAGGAAATTCAGGCTTGGCTGCAAGAGCATCGGCCTGAAAG
CAGTGAGGAGGCAGCGGCCTGGTGGAAGACTTGACCCAGACCCTTCAGGACAGTGAAACAGCTTCTGCTG
GTACATGGCTGCCCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC211929 representing NM_001007072 Red=Cloning site Green=Tags(s)
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MMAADIPRVTTPLSSLVQVPQEEDRQEEVTTMILEDSDSWQEAVLQEDGPESEFPQSAGKGGPQEEVT
RGPQGALGRLRELRCRWLRPEVHTKEQMLTLPKEIQAWLQEHRESSEEAALVEDLTQTLQDSETASC
VHGCPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

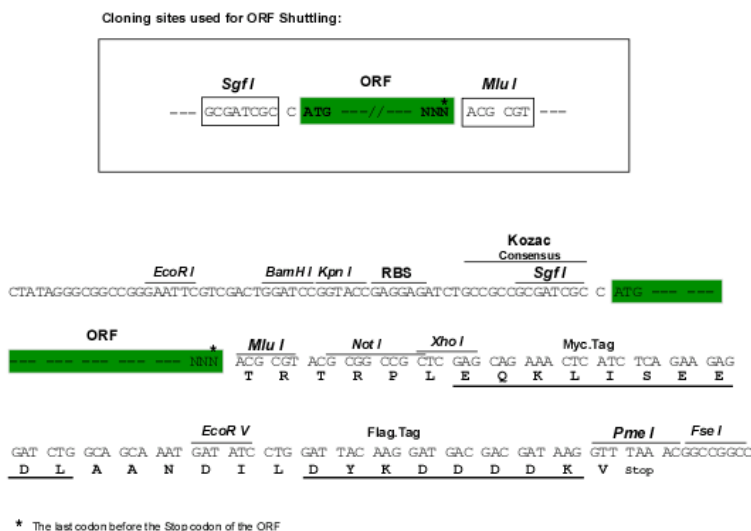
Chromatograms:	https://cdn.origene.com/chromatograms/mk8026_e12.zip
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[View online »](#)

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001007072

ORF Size: 438 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_001007072.2](#)

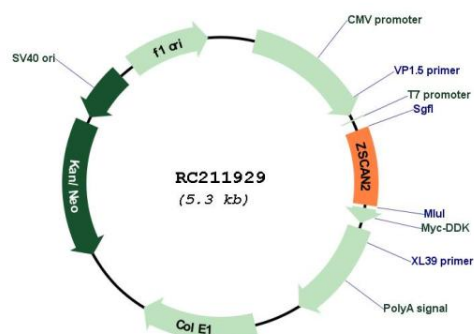
RefSeq Size: 951 bp

RefSeq ORF: 441 bp

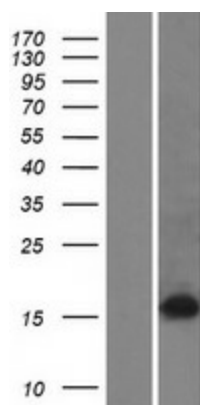
Locus ID: 54993

UniProt ID:	<u>Q7Z7L9</u>
Cytogenetics:	15q25.2
Protein Families:	Transcription Factors
MW:	16.2 kDa
Gene Summary:	The protein encoded by this gene contains several copies of zinc finger motif, which is commonly found in transcriptional regulatory proteins. Studies in mice show that this gene is expressed during embryonic development, and specifically in the testis in adult mice, suggesting that it may play a role in regulating genes in germ cells. Alternative splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

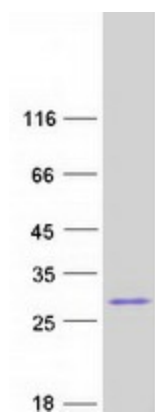
Product images:



Circular map for RC211929



Western blot validation of overexpression lysate (Cat# [LY423575]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211929 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZSCAN2 protein (Cat# [TP311929]). The protein was produced from HEK293T cells transfected with ZSCAN2 cDNA clone (Cat# RC211929) using MegaTran 2.0 (Cat# [TT210002]).