

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
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC211929 representing NM_001007072
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGGCTGCAGACATCCCGAGAGTGACCACTCCGCTGAGCTCCTTGGTCCAGGTGCCTCAAGAGGAAG
ATAGACAGGAGGAGGAGGTCAACCACATGATCCTGGAGGATGACTCCTGGGTGCAAGAAGCTGTGCTGCA
GGAGGATGGCCCTGAGTCTGAGCCCTTTCCCGAGAGTGTGGCAAGGGCGGCCCCAGGAGGAGGTGACC
AGGGGACCACAGGGTGCCTCGGCCGCCTCCGAGAGCTCTGCCGGCGCTGGCTGAGACCAGAGGTACACA
CCAAGGAGCAGATGTTAACCATGCTGCCAAGGAAATTCAGGCTTGGCTGCAAGAGCATCGCCCTGAAAG
CAGTGAGGAGGCAGCGCCCTGGTGAAGACTTGACCCAGACCCTTCAGGACAGTGAACAGCTTCTCTGC
GTACATGGCTGCCCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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

MMAADIPRVTTPLSSLVQVPQEEDRQEEVTTMILEDSDSWVQEAFLQEDGPESEFPFQSAGKGGPQEEVT
RGPOGALGRLRELCRRWLRPEVHTKEQMLTMLPKEIQAWLQHRPESSEAAAALVEDLTQTLQDSETASC
VHGCPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8026_e12.zip

Restriction Sites: SgfI-MluI

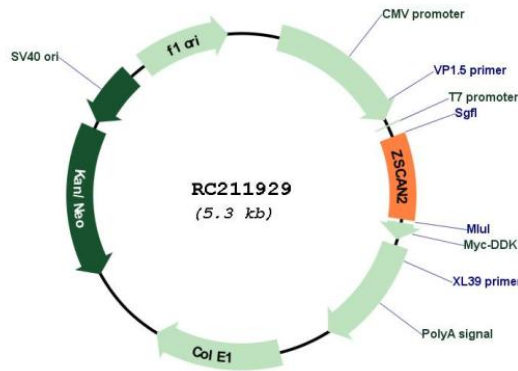


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Cloning Scheme:



Plasmid Map:



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.

RefSeq: [NM_001007072.2](#)

RefSeq Size: 951 bp

RefSeq ORF: 441 bp

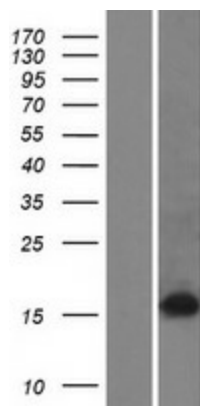
Locus ID: 54993

Protein Families: Transcription Factors

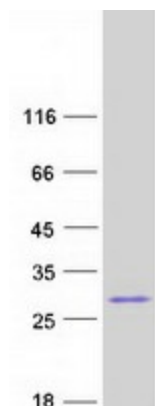
MW: 16.2 kDa

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:



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]).