

Product datasheet for **MR224893**

Zscan5b (NM_133204) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan5b (NM_133204) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zscan5b
Synonyms:	Zfg1; Zfp371
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR224893 representing NM_133204
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCTACGAATGTGCCCCAGATAGCCCTGTCTAGGTCAGGGCAATCAGTATCACTGATATCCCAGGTAA
 AACATGGAGAAAGGCAAACTACAACCCGAGTTTGGCACGTGAAGTTCGAGGTTTCAGTCCCTCTGA
 AGGGTCCAACCTGGATCCAGGACCTGAGGAGCATCTCTGAGCTCTGCTATCAGTGGCTGAGGCCGACCTG
 AACAGCAAGGAGGAGATCCTAGATCAGCTGGTGTGGAGCAGTTCCTAATTTGCATGCCACCAGAGCAGC
 AGGCCTTAGTGAAGGAGAGCGGAGTGAAGAGCTGCAAAGACCTGGAAAAGCTGCTGAGGGACAGGAAACG
 CCACAACCTGGTCCATAATCTACTCCAAGGACAGGCACACCTCTTCGGCATCCCAGCGTTGGGAAGGCT
 GAAGCCGAGAGGATAAATGGGGACATACGACTTCTCCAGGAGCACCTATCAAATGAGAGCGAGGAGT
 CTCTCAATAGAGGCCAGGCCAGCCGGGAGCTACAGAACCTCTCTGAGACCGAAGAGCCATCCACCAGCCA
 GGAAGAGGGCATTCTTGTGGGAGTGATTCTGAGAGGAGACAGCCAGACTACCTGAGACCTGAGATGAGC
 CCAGGGAGTGACTCAGTTCCTGACTTGAAGAGGCAGAGGCATCTGTGTTTGTGGTTCAGGACCCCTCTC
 CAGCCCTGGGTCCCGCTGGTTCTCTTGGAGTAAAGGGTGCCGTGCAGCCCAAGAAGACACTGTTGTGGA
 TGCTGTACCATCGTTACCCATATTCTGAAAGAGATCTAGCCTTGAACAGAGATCTTCAGAGTCTTTCT
 GGTTTCAACTTACCCACTTCCCAAGGAGTGGCGTCCTATATGGGCAATACAGAAGATGGGCTAGAGGCTG
 CTAATCCCGAGCTGCTAACCCACAGCCTGAGAAGCAAGTTGACAGTCTTGCTGGCCAGGCTCGGTTTCA
 GTGTACTGAATGCAAGAAGAGCTTTCTTACAAGTCCCGTTTGACCTCCACCAGAGGTCACACACAGGA
 GAGAGACCCTTCAAGTGCATCTTGTGCAACAAGCCTTTGTTAGTCTCCGACCTGAGAGTCCACCAGC
 GTGTCCACACAGGGGAGAAGCCTTACATGTGTGAAGTCTGTGGGATGGAGTTTGCCATGGGTCCACCCT
 GCAGGGCCACAGTCGAGTCCACACGAAGGAGAAGCCTTTTGTGTGAAGGATTGTGGGCAACGCTTCTGC
 CACAAGGGCAACCTCAATGTCCATTTCCGCATCCATTGCAACTTGAGACCCTATGTCTGTAAGAAGTGTA
 ACAAGACTTTCCGACAGCAGGGGACTTGAAGCGACACATGAAAACCCACCTGAGAAAGAGAAAGGTGTC
 TGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224893 representing NM_133204
 Red=Cloning site Green=Tags(s)

MATNVPPDSPVRSGQSVSLISQVKHGERQNYNPEFWHVKFRGFSPEGSNWIQDLRSISELCYQWLRPDL
 NSKEEILDQLVLEQFLICMPPEQQALVKEGSKSCKDLEKLLRDRKRHNWSIIYSQGAHLLRHPSVGKA
 EAAEDKWGHTDFSQEHLSNESEESLNRQASRELQNLSETEEPSTSQEEGILLGVIPERRQPDYLRPEMS
 PGSDSVPDLEEAESVFGQDPLPALGPAGSLGVKGAVQPQEDTVVDVPSFTHILERDLALNRDLQSL
 GFNLPTSQGVASYMGNTEDGLEAANPEPANPQPEKQVDSLQAGARFQCTECKKSFYKSRFDLHQRSHGT
 ERPFKILCNKAFVQSSDLRVHQRVHTGEKPYMCEVCGMEFAHGSTLQGHRSRVHTKEKPFVCKDCGQRF
 HKGNLNVHFRHICNLRPYVCKCKCNKTFRQGTWKRHMKTHLRKRKYSE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9063_b09.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_133204

ORF Size: 1404 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_133204.2](#), [NP_573467.2](#)

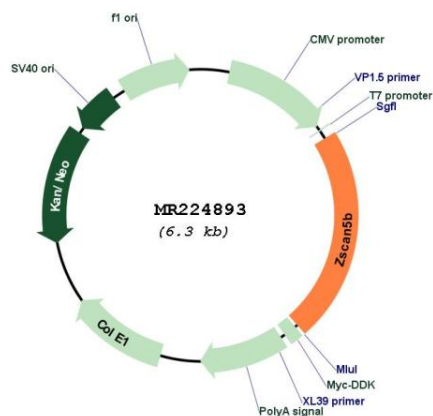
RefSeq Size: 1969 bp

RefSeq ORF: 1407 bp

Locus ID: 170734

Cytogenetics: 7 A1
MW: 53 kDa

Product images:



Circular map for MR224893