

Product datasheet for **MG224893**

Zscan5b (NM_133204) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan5b (NM_133204) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zscan5b
Synonyms:	Zfg1; Zfp371
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224893 representing NM_133204
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCTACGAATGTGCCCCAGATAGCCCTGTCTCAGGTCAGGGCAATCAGTATCACTGATATCCCAGGTAA
 AACATGGAGAAAGGCAAACTACAACCCGAGTTTTGGCACGTGAAGTTCGAGGTTTCAGTCCCTCTGA
 AGGGTCCAACCTGGATCCAGGACCTGAGGAGCATCTCTGAGCTCTGCTATCAGTGGCTGAGGCCGGACCTG
 AACAGCAAGGAGGAGATCCTAGATCAGCTGGTGTGGAGCAGTTCCTAATTTGCATGCCACCAGAGCAGC
 AGGCCTTAGTGAAGGAGAGCGGAGTGAAGAGCTGCAAAGACCTGGAAAAGCTGCTGAGGGACAGGAAACG
 CCACAACCTGGTCCATAATCTACTCCAAGGACAGGCACACCTCCTTCGGCATCCCAGCGTTGGGAAGGCT
 GAAGCCGACAGAGGATAAATGGGGACATACGACTTCTCCAGGAGCACCTATCAAATGAGAGCGAGGAGT
 CTCTCAATAGAGGCCAGGCCAGCCGGGAGCTACAGAACCTCTCTGAGACCGAAGGCCATCCACCAGCCA
 GGAAGAGGGCATTCTTGTGGGAGTGATTCTGAGAGGAGACAGCCAGACTACCTGAGACCTGAGATGAGC
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 CAGCCCTGGGTCCCGCTGGTTCTCTTGGAGTAAAGGGTGCCGTGCAGCCCAAGAAGACACTGTTGTGGA
 TGCTGTACCATCGTTACCCATATTCTGAAAGAGATCTAGCCTTGAACAGAGATCTTCAGAGTCTTTCT
 GGTTCACACTTACCCACTTCCCAAGGAGTGGCGTCCTATATGGGCAATACAGAAGATGGGCTAGAGGCTG
 CTAATCCCGAGCTGCTAACCCACAGCCTGAGAAGCAAGTTGACAGTCTTGCTGGCCAGGCTCGGTTTCA
 GTGTACTGAATGCAAGAAGAGCTTTCTTTACAAGTCCCGGTTTGACCTCCACCAGAGGTCACACACAGGA
 GAGAGACCCTTCAAGTGCATCTTGTGCAACAAGCCTTTGTTGAGTCTCCGACCTGAGAGTCCACCAGC
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 GCAGGGCCACAGTCGAGTCCACACGAAGGAGAAGCCTTTTGTGTGTAAGGATTGTGGGCAACGCTTCTGC
 CACAAGGGCAACCTCAATGTCCATTTCCGCATCCATTGCAACTTGAGACCCTATGTCTGTAAGAAGTGTA
 ACAAGACTTTCCGACAGCAGGGGACTTGAAGCGACACATGAAAACCCACCTGAGAAAGAGAAAGGTGTC
 TGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

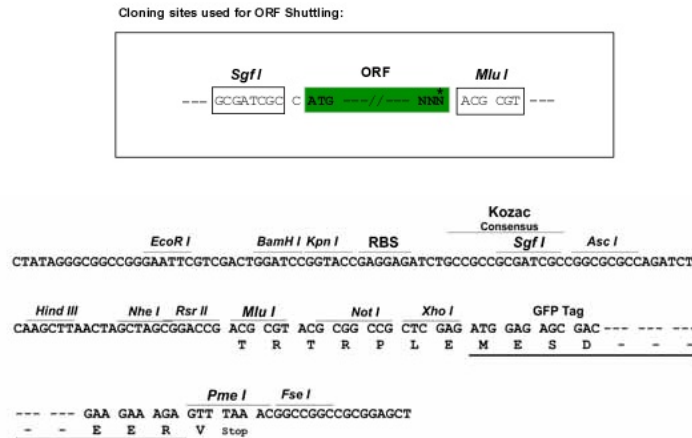
>MG224893 representing NM_133204
 Red=Cloning site Green=Tags(s)

MATNVPPDSPVRSGQSVSLISQVKHGERQNYNPEFWHVKFRGFSPEGSNWIQDLRSISELCYQWLRPDL
 NSKEEILDQLVLEQFLICMPPEQQALVKESGVKSCKDLEKLLRDRKRHNWSIIYSQGAHLLRHPSVGKA
 EAAEDKWGHTDFSQEHLSESEESLNRQASRELQNLSETEEPSTSQEEGILLGVIPERRQPDYLRPEMS
 PGSDSVPDLEEAESVFGQDPLPALGPAGSLGVKGAVQPQEDTVVDAVPSFTHILERDLALNRDLQSLS
 GFNLPTSQGVASYMNTEDGLEAANPEPANPQPEKQVDSLQAGARFQCTECKKSFLYKSRFDLHQRSHTG
 ERPFKCILCNKAFVQSSDLRVHQRVHTGEKPYMCEVCGMEFAHGSTLQGHRSRVHTKEKPFVCKDCGQRF
 HKGNLNVHFRHICNLRPYVCKKCNKTFRQGTWKRHMKTHLRKRKVSE

TRTRPLE – GFP Tag – V

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](#)

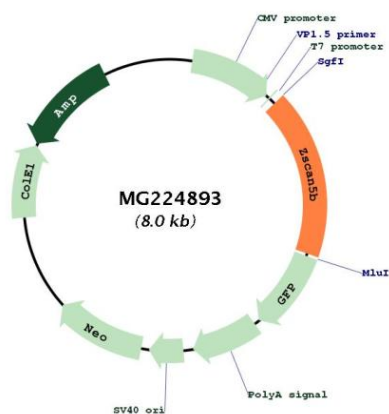
RefSeq Size: 1969 bp

RefSeq ORF: 1407 bp

Locus ID: 170734

Cytogenetics: 7 A1

Product images:



Circular map for MG224893