

Product datasheet for **MR223603**

Zkscan1 (NM_133906) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zkscan1 (NM_133906) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zkscan1
Synonyms:	5930429A01Rik; 9130423L19Rik; 9230118B16Rik; AI646829; AI788588; C87323; KOX18; PHZ-37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223603 representing NM_133906
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGACTGCTGAGTCAAGGAAACCACAGTCTATCCCACAGGCTGCACAGGAGAAAGATGGTATAG
 TTATTGTGAAGGTAGAAGAAGAAGATGAAGAAGACCACATGTGGGGCAGGACTCTAGCCTGCAGGAGAC
 ACCACCACCCGACCCAGAGGTATTCCGCCAACGGTTCAGGCGCTTCTGTTACCAGAACACTTTTGGGCTT
 CGAGAAGCTTTGAATCGACTAAAGGAACTTTGTTCATCAGTGGCTCCGACCAGAAGTCAACAGCAAGGAAC
 AGATCTTGGAGCTGTTGGTACTGGAGCAGTTCCTGTCCATCCTGCCCAAAGAGCTGCAAGTCTGGCTGCA
 GGAGTACCGGCTGACAGTGGGGAAGAGGCCGTGACTCTTCTAGAAGACTTGAACCTTGATCTATCGGGA
 CAGCAGTCCCAGGTCAGTTCATGGGCTGAGATGCTTGCCAGGGGTGGTGCCTCTGGATCCAGTTC
 AGGAGTCTCAAGCTTTGACCATCATGAACTGCCAGTCTCATTCAAGCATTCTAGGAAGCCTCG
 TCTCTTATCCCGAGCTCTCCTGCCACCATGTTCTGCCCTCATCATGAGGGGAATCCAGAGACCAG
 GCGATGGCATCTGCACTATTGACCGCAGATTCCAGGCAATGGTGAAGATCGAGGACATGGCCGTGTCCC
 TCATCCTGGAGGAATGGGGATGTGAGAACCTGGCTCGGAGGAATCTCAATAGGGACAGCAGGCAGATGAA
 TTTGGGAATGTGTTTTCCAGGGCTCTGAGAACAGGAATGGGAATGAGTCAACCTCAAAGGCTGAAGTC
 AAAGAAGATCCACCTCATATGGGGAGATAGCAGGGAGATTCCAGAAGGAATTTGGAGAGAAACGGGAAC
 AGCAGGGCAGAGTAGTCGAAAGGCAACAGAAAAATCCTGAAGAGAAAAGTGGCAAAGAAAAGAAAGGCC
 TGGGCCACCTACAGCCAAGGAAAAAAGCCAGCACAGGAGAGCGGGGCCCGGGGAGAAGGGTAAAGGT
 CTGGGGAGAAGCTTTAGCCTGAGCGCAAACCTTTAATAACACCCAGAGGAGGCTCCGTGGGAGCAAGA
 CTCACAGATCGATGAGTGTGGGAAATGTTTCAAGAAGCTCAAGCCTTATCCGCCATAAAATCATCCA
 CACTGGAGAGAAAACCTACGAATGTAACGAGTGTGGCAAAGCCTTCAGTCTCAATTCAAACCTTGTCTT
 CATCAGCGAATCCACACGGGAGAGAAAACCTCATGAATGTAAACGAGTGTGGCAAAGCCTTCAGCCATAGCT
 CAAATCTCATCTGCACCAGCGCATCCACTCTGGAGAGAAGCCCTATGAATGTAACGAGTGTGGCAAAGC
 TTTCAGCCAGAGCTCAGACCTCAGGAAGCACCAGAGAATCCATACAGGAGAGAAGCCCTATGAATGTAGC
 GAATGTGGAAAAGCTTTCAACCGAAACTCATACCTTATTTTGCATCGGAGAATTCACACCCGAGAAAAGC
 CCTACAAGTGCCTAAGTGTGGCAAGGCCTTACCCGGAGCTCGACCCTCACACTGCACCACAGAATCCA
 TGCCAGAGAGAGAACGTGAGAATACAGCCAGCCTCTCTGGATGCCTTTGGGGCATTCTGAAAAGTTGT
 GTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223603 representing NM_133906
 Red=Cloning site Green=Tags(s)

MMTAESRETTGLSPQAAQEKDGIIVKVEEEDDHMWGQDSSLQETPPPDPEVFRQRFRRFCYQNTFGP
 REALNRLKELCHQWRPEVNSKEQILELLVLEQFLSILPKELQVWLQEYRPDSGEEAVTLLEDLELDLSDG
 QQVPGQVHGPEMLARGVPLDPVQESSFDHETAQSHFKHSSRPRLLSRALPATHVPAPHHEGNPRDQ
 AMASALLTADSQAMVKIEDMAVSLILEEWGCQNLARRNLRDSRQMNLGNVFSQGSENRNGNESTSKAEV
 KEDSTSHGEIAGRFQKEFGKREQQGRVVERQQKNPEEKTGKEKKEPGPPTAKEKKPSTGERGPREGKGG
 LGRSFLSANFNNTPEEAPSGAKTHRCDECGKCFTRSSSLIRHKI IHTGEKPYECNECGKAFSLNSNLVL
 HQR IHTGEKPYECNECGKAFSHSSNLILHQR IHSGEKPYECNECGKAFSQSSDLTKHQR IHTGEKPYECS
 ECGKAFNRNSYLILHRR IHTREKPYKCTKCGKAFTRSSLLTHHRIHARERTSEYSPASLDAFGAFLKSC
 V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_133906

ORF Size: 1683 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_133906.4](#), [NP_598667.2](#)

RefSeq Size: 8261 bp

RefSeq ORF: 1686 bp

Locus ID: 74570

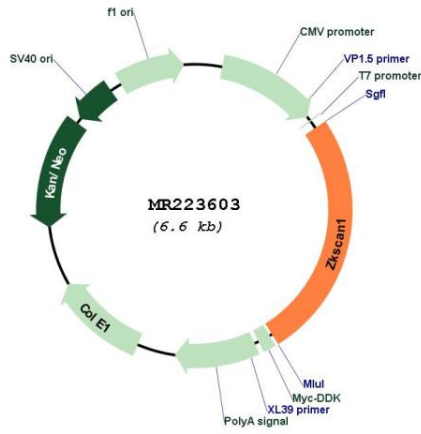
UniProt ID: [Q8BGS3](#)

Cytogenetics: 5 G2

MW: 63.9 kDa

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

Product images:



Circular map for MR223603