

Product datasheet for **MR224916**

Zkscan14 (NM_023322) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zkscan14 (NM_023322) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zkscan14
Synonyms:	2310046C23Rik; 2810437E14Rik; Zfp99; Znf394
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224916 representing NM_023322
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCAGGCTCTGGGTCGTCGCCACCTCTCGGTGCTGGGCTTTGTACGGTGAAGGTGGAGGAGG
 ACTCTCCGGGGAATCAGGAGTCCCTCGGTTCCGGAGATTGGCAGAACCCGAAACTTCTCGAAAACAATT
 CAGGCAGTTGCGCTACCAGGAAGTGCCCGCCCTGAGGAGGCGCTGAGCCGACTTTGGGAGCTCTGTCGG
 AGGTGGCTGAGGCCGAGCTGCTCTCCAAGGAGCAGATCATGGAGCTGTTGGTGTGGAGCAATTCCTCA
 CCATCCTGCCAGGAGCTCCAGGCCTACGTGCGGGACCACAGCCCTGAAAGTGGGGAGGAGGCTGCGGC
 CTTGGCGGACTCTGCAAAGAGCACTGGATCGGGCTCTCCGACGGTTTTATGACCTCAAGGATGTG
 GCTGAATCTCTGACCTGGGAAGAGTGGGAACAGCTGGCTGCAGCTCGAAAGTTTTCTGTGAAGAGAGCA
 CAAAGGACGCTGGGAGCACAGTTGTGCCTGGCTTGGAAACACGAAGTGTGAACACAGATGTGATTCTAAA
 GCAGGAAATTTAAAGGAGCAGAGCCACAGGCATGGCTACAAGAAGTATCCAGGGAATGTTCCAGCA
 CTTACAAATGTGGTACCCCTCTGAGGACTGGGAAGAAAAGCTGCCAAAAGCTGCTGTACTGCTGCAGC
 TCCAGGTTCTGAAGAGCAAGGACGCACTGCCATCCCGCTTCTCATCGGTGTGTCCAGAGAGGAAAGGGA
 CTCTAAAAACAATGAGTCTGAGAACAGTGGCAGTTCTGTCTTGGTCAGCACATCCAGACAGCAGAAGGA
 CTGGGCACCAACAGTCAAGTGTGGGGATGACCACAAACAAGTTTTCCATGTGAAATGCCATTCAGTGAAGC
 CCCACAGCTCTGTGGACAGTGTGTAGGGCTTCTTGTAGACCCAGAGGCGAGTTCCAGGAAGACAAACCTTA
 CAAATGTGATAGTGTGAGAAGGGCTTCAGACAGCGCTCGGACCTTTCAAACACCAGAGAATCCACACA
 GGTGAGAAGCCCTATCAGTGCCAAGAGTGTGGGAAACGCTTTAGTCAGAGCGCTGCCCTCGTTAAGCACC
 AGCGGACACACACAGGTGAGAAGCCATATGCATGCCAGAAATGCGGGGAGTGTTCAGGCAGAGCTACAC
 TCTGAGTCGGCATCAGAGAACCATGCCAGTGAAGTACTATAAATGTGAGGAGTGTGGGGAGATCGTT
 CATGTTTCCAGCCTGTTAGACATCAGAGACTACACAGAGGGGAGAGACCATAACAAGTGTGGAGACTGTG
 AGAAGAGCTTCAGACAGCGCTCAGACCTTTCAAGCACCAGAGAACCACACAGGAGAGAAGCCCTATGC
 GTGTGTCGTCTGCGGGAGAAGATTAGTGTGAGAGCGCCACCCTCATTAAACACCAGAGAATCACACAGGA
 GAAAAACCGTATAAATGTTTTCAATGTGGTGAAGATTTAGACAGAGTACACACCTTGTCCGACACCAA
 GAATCCATCAAAATTCAGTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224916 representing NM_023322
 Red=Cloning site Green=Tags(s)

MAAGSGVPPPLGAGLCTVKVEEDSPGNQESSGSGDWQNPETSRKQFRQLRYQEVAGPEEAL SRLWELCR
 RWLRPELLSKEQIMELLVLEQFLTILPQELQAYVRDHSPESGEEAAALARTLQRALDRASPQGFMTFKDV
 AESLTWEWEQLAAARKGFCEESTKDAGSTVVPGLETRTVNTDVLKQEILKEAEPQAWLQEVSQGMVPA
 LTKCGDPSDWEKLPKAAVLLQLQGSEEQGRTAIPLLIGVSREERDSKNNESENSGSSVLGQHIQTAE
 LGTNSQCDDHKQGFHVKCHSVKPHSSVDSAVGLLETQRQFQEDKPYKCDSEKGRFRQSDLFKHQRHT
 GEKPYQCQECGRFSQSAALVKHQRHTHTGEKPYACPECGECFRQSSHL SRHQRTHASEKYKCEECGEIV
 HVSSLFRHQRHLRGERPYKCGDCEKSFQRSDLFKHQRHTHTGEKPYACVCGRRFSQSATLIKHQRHTHT
 EKPYKCFQCGERFRQSTHLVRHQRHQNVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9041_f06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_023322

ORF Size: 1563 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_023322.2](#), [NP_075811.2](#)

RefSeq Size: 1992 bp

RefSeq ORF: 1566 bp

Locus ID: 67235

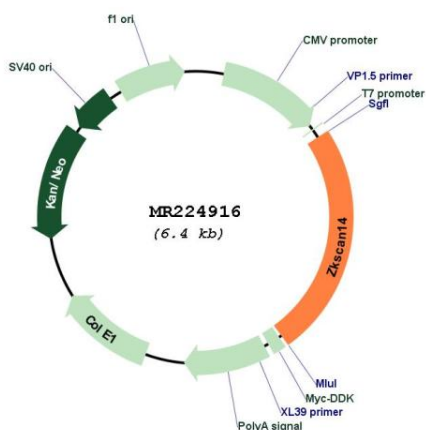
UniProt ID: [Q9Z1D9](#)

Cytogenetics: 5 G2

MW: 59.5 kDa

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

Product images:



Circular map for MR224916