

## Product datasheet for **MR230494**

### Zscan21 (NM\_001044704) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan21 (NM_001044704) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zscan21
Synonyms:	AI326272; CTfin51; RU49; Zfp-38; Zfp38; Zipro1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230494 representing NM\_001044704  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACTAAGTGGTGGGCATGGCCACAGTTCTGGCCCCAGGCCACCTCAGGAATCTATGGACCTTCGC  
 CCATTAAGTAGAAGAGGATGAAGAGAAAAGACAAGTGCTGCCCTACCCTAGAGCTATCCATAAGCACTT  
 CAGACAGTCTGGGAACCAAGATACCCTTGGCCAAATGGGTCTTCGACCATTAAGCTGAAGAGGATGAA  
 AGCAAAGACAAGTGCCGCCCTAACCTAGAGATATCCCGTAAGAGCTTCAAGCAGTTTGGGTACCAAGACA  
 CTCTTGAGCAGTTGGGACCTTCGACCTAAAGCTGAAGAGGATGATGAGAAGGATAAGGGCCACCTAG  
 CCCAGAGATATCTCGACAGCGCTTCAGGCAATTTGGGTACCATGACACTCCTGGGCCCGAGAGGCACTG  
 AGCCAGCTTCGGGTGCTCTGCTGTGAGTGGCTACAGCCCGAGATCCACACCAAAGAGCAGATTCTAGAGC  
 TACTGGTTCTGGAGCAGTTCCTGACCATCTGCCCGAGAGCTCCAGACCTGGGTACAGCAGCACTGCC  
 TGAAGTGCAGAGGAGGCCGTCACTCTCCTGGAAGACCTGGAGCAAGAATTGATGAGCCAGGACTGCAG  
 GTCTCATCTCCTCAAATGAACAGAAGCAGTCTTGGGAGAAAATGTCAACTTCAGGAACGGCAATGGAGT  
 CCTAAGCAGTACTGAGACCCAACATGTGGATGCCAGCCCTAAATATGAGTTTTGGGGGCCCTGTACAT  
 CCAAGAGACTGGTGAAGGAGGAGTTTTACTCAGGATCCAAGAAAGCGCCAAGGTTTTAAATCGAATCCC  
 CAGAAGGAGGACTCAGCAGATGAGCACAGAAGTTCTGAAGAAGAGTCTCATGCAGACGGACTCAAAGAA  
 CCGTCATCCCCATGATTCCTGCCAATAAGTATGGGTACGGTACAGAAAGGCAGTGGGCCAACCACTGGA  
 GAGGGAGAGGGGACAAAAGCCTCTCTCAAGACACAGGTTCCAGGAAAGGGCAGAGCCAGCGTCTACT  
 AGGCCTGCCCGAGGAGAAAACGTTACATATGTGCAGAGTGTGGGAAGGCCTTGAAGCAATAGCTCAAAC  
 TCATAAGCACCGGAGAACACACACTGGGGAGAGCCTTATGTGTGACAAAGTGTGGGAAGGCTTTCAG  
 CCACAGTCCAACTTACCCTTACCTTACCGAACTCACCTGGTGGACCGGCCCTATGACTGTAAAGTGTGG  
 AAAGCCTTTGGGCAGAGCTCAGACCTCCTTAAACATCAAAGGATGCACACGGAAGAGGCGCCCTATCAGT  
 GTAAGACTGTGGGAAAGCCTTGTAGTGGGAAGGGCAGCCTCATTTCGACACTATCGCATCCACACAGGGGA  
 GAAGCCCTATCAGTGAATGAGTGTGGAAAGAGTTTTAGTGCAGATGCAGGTCTCAGTTCTCATCAGCGT  
 CTGCATACAGGGGAGAAACCTATAAGTGAAGGAGTGTGGCAAAGCCTTCAACCATAGTTCAAATTTTA  
 ATAAGCATCATAGAATCCATACTGGCGAAAAGCCCTATTGGTGTAGCCACTGTGGGAAAACCTTCTGTAG  
 CAAGTCCAATCTGTCCAAGCATCAGAGAGTTCACACTGGAGAGGGAGAAGTCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230494 representing NM\_001044704  
 Red=Cloning site Green=Tags(s)

MTKVVGMA TVLGRPPQESMGPSPIKVEEDEEKDKCCPTLELSHKHFRQSGNQDTLEPMGPSTIKAEDEE  
 SKDKCRPNLEISRKSFKQFGYQDTLEQLGPSTIKAEEDDEKDKGHPSEISRQFRQFGYHDTPGPREAL  
 SQLRVLCCWEWLQPEIHTKEQILELLVLEQFLTILPRELQTVWQQHCPESAEEAVTLLEDLEQELDEPGLQ  
 VSSPPNEKQSWEKMSTSGTAMESLSSTETQHVDASPKYEFWGPLYIQETGEEVFTQDPRKRQGFKSNP  
 QKEDSADEHRSSEESHADGLKRTVIPMIPANKYGSRSERQWANNLERERGTKASLQDTSRKGAEPA  
 RPAPGKRYICAECKAFSNSSNLTKHRRHTGKPYVCTKCGKAFSHSSNLTLHYRTHLVDRPYDCKCG  
 KAFGQSSDLLKHQRMHTEEAPYQCKDCGKAFSGKGLIRHYRIHTGKPYQCNECGKSFQSHAGLSSHQR  
 LHTGKPYKCKEKGAFNHSSNFNKHRIHTGKPYWCSHGKTFCSKSNLSKHQRVHTGEDEVQ

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001044704

**ORF Size:** 1665 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\\_001044704.2](#), [NP\\_001038169.1](#)

**RefSeq Size:** 2302 bp

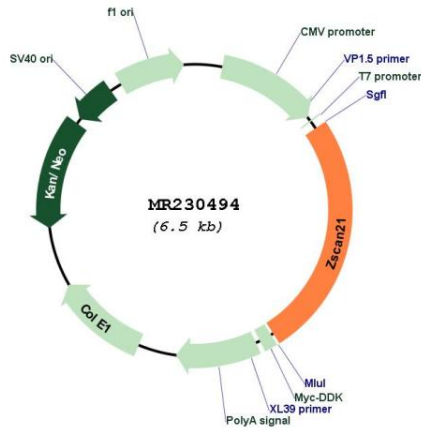
**RefSeq ORF:** 1668 bp

**Locus ID:** 22697

**UniProt ID:** [Q07231](#)

**Cytogenetics:** 5 76.96 cM  
**MW:** 63 kDa  
**Gene Summary:** Strong transcriptional activator. Associated with meiosis in both male and female gametogenesis. May have different functions in somatic cells.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR230494