

## Product datasheet for **MR208051**

### Zscan12 (NM\_016684) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan12 (NM_016684) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zscan12
Synonyms:	2510038J07Rik; FPM315; mKIAA0426; zfp-96; Zfp96
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208051 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACATCTACTAGTGATACCAAGTCTGTAAGAACCAGGGTGGACTTTTGGAAATAAAATGGAGGAAG  
 AATGTAAGTATACCACCAGACAAGATAGGAACCTACAAAAGAACACTTATAACAGAGACGTCTTCGGAAA  
 ATACTTCAGACAGTTTTGCTACCAGGAACTTCTGGACCCCGGGAGGCTCTGAGCCGGCTGCGCGAGCTC  
 TGCAGACAGTGGCTGCGGCCGACTTGAACAGCAAGGAGCAGATCCTGGAGCTGCTGGTCTGGAGCAGT  
 TCCTGACCATCCTGCCAGGGGAGCTGCAGGCCCTGGGTGCAGGAGCAGAATCCGGAGAGTGTGGAGGAGGT  
 GGTGACTGTGCTGGAGGATTTAGAGAGAGACTTGATGAACTAGGATACCGGGCCTCAGTCCAACTGAA  
 GAACAGGTAACGTTTCAGGAGGTGAAGCCTTTGGCAACAGAGCAGAAACCCAGCGTGTCCCTTCAGTTTG  
 TCAAAGCCAAGCCTGGGTGTGAACCTGCAGGCCGTGAAGCCAGGAGGAGCAAGTTTCAGGTGTTGAGAC  
 TGGCAATGAGCCAGGAATGTCCTCTAAAGCAAGGCCTCTGGGAAGGGACGGAAGCAGAACAGAATCCT  
 GCTAGCAGATTAGCAAAGGATGCACTTGAGTGTGAAGAAGCTCACAAACCTGGAGAAGAGTCTTCTGGTA  
 TTTCCCATGAAGACAGCCAGCCTCTGCGTAATGAAAATGGTGTAAATTCTCTGCGAACTCAGAGTACGC  
 TAAACACCAGAGCATCTGTCCAGGGAGAAAAGTGCATGGGTGTGATGAGTGTGAAAAGAGTTTTACTCAG  
 CACTCGCGCCTCATAGAGCACAAGAGAGTCCACACTGGAGACAGGCCCTACAAATGTGAAGTATGTGGGA  
 AAATTTCCGATGGAGGACTGTTCTTATTCGACACAAGGTGGTCCACACTGGAGAGAAACCGTATAAATG  
 TAATGAATGTGGCAGGGCTTTTGCCAGTGGTCAAGCACTTAACCAACATCAGAGACTTCACTCGGGAGAA  
 AAGCACTACACTGTAAAGTGTGGCAAGCCTTTTCCAGAAAGCAGGCCCTTTTACCATCTCAAGA  
 GCCATAGAAGAAACAGACCTTATCAATGTCTTCAGTGTAAATAAAAGTTTTAATCGCCGTTCTACACTTTC  
 TCAGCATCAAGGAGTTCACACTGGAGCAAAACCTACGAATGCAACGATTGTGGGAAAGCTTTTGTAT  
 AACTCATCTCTTCTACCATCAGGAAACCCATCACAAAGGAGAAACCCCTCACTCAAAGTGGTCTATTC  
 AGCAGCAGAGGAACACACCAAGGAGAAGCCCTACAAATGCAGTGTATGTGAAAAGCATTTATTCAAAA  
 AATAAGTCTTATAGAACACGAACAAATTCATACCGGAGAGAGACCGTATAAATGTGCTGAGGGCGGGGAA  
 GCCTTTATTAGATGTCAGAACTCACAGAACAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208051 protein sequence  
 Red=Cloning site Green=Tags(s)

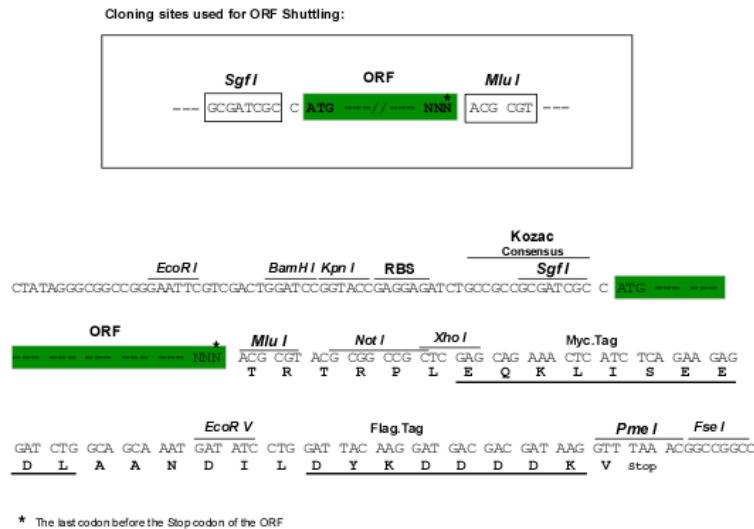
MTSTSDTKVCKNQGLLEIKMEECKYTRQDRNLQKNTYNRDVFRKYFRQFCYQETSGPREALSRLREL  
 CRQWLRPDLNSKEQILELLVLEQFLTILPGELQAWVQEONPESVVEVTVLEDLERELDELGYRASVQTE  
 EQVTFQEVKPLATEQKPSVSLQFVKAKPGCELAGREAQEEQVSGVETGNEPRNVTLKQGLWEGTEAEQNP  
 ASRLAKDALECEEAHNPGEESSGISHEDSQPLRNENGVNSPANSEYAKHQSIQGRKVVHGDCGKSFQ  
 HSRLIEHKRVHTGDRPYKCEVCGKTFWRWTVLIRHKVVHTGEKPYKCNCGRAFGQWSALNQHLHSGE  
 KHYYHCNECGKAFQKAGLFHHLKSHRRNRPYQCLQCNKSFNRRSTLSQHQQVHTGAKPYECNDCGKAFVY  
 NSSLATHQETHHKEKPFQSGPIQQQRNHTKEKPYKCSVCGKAFIQKISLIEHEQIHTGERPYKCAEGGK  
 AFIQMSELTEH

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

## Cloning Scheme:



ACCN: NM\_016684

ORF Size: 1506 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\\_016684.2](#), [NP\\_057893.2](#)

RefSeq Size: 4435 bp

RefSeq ORF: 1506 bp

Locus ID: 22758

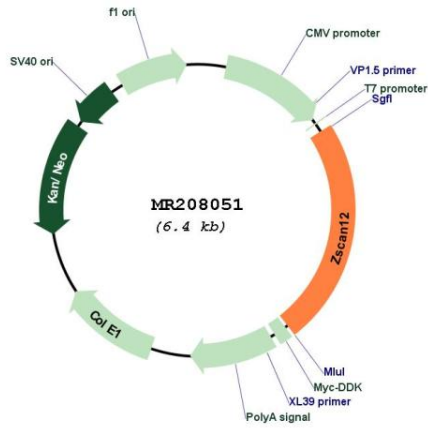
UniProt ID: [Q9Z1D7](#)

Cytogenetics: 13 A3.1

MW: 57.5 kDa

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

**Product images:**



Circular map for MR208051