

Product datasheet for **MR208806**

Zscan21 (NM_001044703) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan21 (NM_001044703) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MR208806 representing NM_001044703
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTAAGTGGTGGGCATGGCCACAGTTCTGGCCCCAGGCCACCTCAGGAATCTATGGACCTTCGC
 CCATTAAGTAGAAGAGGATGAAGAGAAAAGACAAGTGCTGCCCTACCCTAGAGCTATCCATAAGCACTT
 CAGACAGTCTGGGAACCAAGATACCCTTGGCCAAATGGGTCTTCGACCATTAAAGCTGAAGAGGATGAA
 AGCAAAGACAAGTGCCGCCCTAACCTAGAGATATCCCGTAAGAGCTTCAAGCAGTTTGGGTACCAAGACA
 CTCTTGAGCAGTTGGGACCTTCGACCTAAAGCTGAAGAGGATGATGAGAAGGATAAGGGCCACCTAG
 CCCAGAGATATCTCGACAGCGCTTCAGGCAATTTGGGTACCATGACACTCCTGGGCCCGAGAGGCACTG
 AGCCAGCTTCGGGTGCTCTGCTGTGAGTGGCTACAGCCGAGATCCACACCAAAGAGCAGATTCTAGAGC
 TACTGGTTCTGGAGCAGTTCCTGACCATCTGCCCGAGAGCTCCAGACCTGGGTACAGCAGCACTGCC
 TGAAGTGCAGAGGAGGCGTCACTCTCCTGGAAGACCTGGAGCAAGAATTGATGAGCCAGGACTGCAG
 GTCTCATCTCTCCAAATGAACAGAAGCAGTCTTGGGAGAAAATGTCAACTTCAGGAACGGCAATGGAGT
 CCTTAAGCAGTACTGAGACCCAACATGTGGATGCCAGCCCTAAATATGAGTTTTGGGGGCCCTGTACAT
 CCAAGAGACTGGTGAGGAGGAGTTTTTACTCAGGATCCAAGAAAGCGCCAAGTTTTAAATCGAATCCC
 CAGAAGGAGGACTCAGCAGATGAGCACAGAAGTTCTGAAGAAGAGTCTCATGCAGACGGACTCAAAGAA
 CCGTCATCCCCATGATTCCTGCCAATAAGTATGGGTACGGTACAGAAAGGAGTGGGCCAACCACTGGA
 GAGGGAGAGAGGACAAAAGCCTCTCTTCAAGACACAGGTTCCAGGAAAGGGCAGAGCCAGCGTCTACT
 AGGCCTGCCCGAGAGAGAAAACGTTACATATGTGCAGAGTGTGGAAAGCCTTTAGCAATAGCTCAAACC
 TCACTAAGCACCGGAGAACACACACTGGGGAGAAAGCCTTATGTGTGACAAAGTGTGGAAAGCCTTTCAG
 CCACAGTCCAACTTACCCTTACCTTACCTACCGAACTCACCTGGTGGACCGGCCCTATGACTGTAAAGTGTGG
 AAAGCCTTTGGGCAGAGCTCAGACCTCCTTAAACATCAAAGGATGCACACGGAAGAGGCGCCCTATCAGT
 GTAAGACTGTGGAAAGCCTTTAGTGGAAAGGCGAGCCTCATTTCGACACTATCGCATCCACACAGGGGA
 GAAGCCCTATCAGTGTAATGAGTGTGGAAAGAGTTTTAGTGCAGATGCAGGTCTCAGTTCTCATCAGCGT
 CTGCATACAGGGGAGAAACCTATAAGTGAAGGAGTGTGGCAAAGCCTTCAACCATAGTTCAAATTTTA
 ATAAGCATCATAGAATCCATACTGGCGAAAAGCCTATTGGTGTAGCCACTGTGGAAAACCTTCTGTAG
 CAAGTCCAATCTGTCCAAGCATCAGAGAGTTCACACTGGAGAGGGAGAAGTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208806 representing NM_001044703
 Red=Cloning site Green=Tags(s)

MTKVVGMA TVLGRPPQESMGPSPIKVEEDEEKDKCCPTLELSHKHFRQSGNQDTLEPMGPSTIKAEED
 SKDKCRPNLEISRKSFQFGYQDTLEQLGPSTIKAEEDDEKDKGHPSEISRQFRQFGYHDTPGPREAL
 SQLRVLCCQEWLQPEIHTKEQILELLVLEQFLTILPRELQTVWQQHCPESAEEAVTLLEDLEQELDEPGLQ
 VSSPPNEKQSWEKMSTSGTAMESLSSTETQHVDASPKYEFWGPLYIQETGEEVFTQDPRKRQGFKSNP
 QKEDSADEHRSSEESHADGLKRTVIPMIPANKYGSRSERQWANNLERERGTASLQDTSRKGAEPA
 RPAPGKRYICAECKAFSNSSNLTKHRRHTGKPYVCTKCGKAFSHSSNLTLHYRTHLVDRPYDCKCG
 KAFGQSSDLLKHQRMHTEEAPYQCKDCGKAFSGKGLIRHYRIHTGKPYQCNECGKSFQSHAGLSSHQR
 LHTGKPYKCKEKGAFNHSSNFNKHRIHTGKPYWCSHGKTFCSKSNLSKHQRVHTGEDEVQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9108_a07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001044703

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_001044703.2](#), [NP_001038168.1](#)

RefSeq Size: 2236 bp

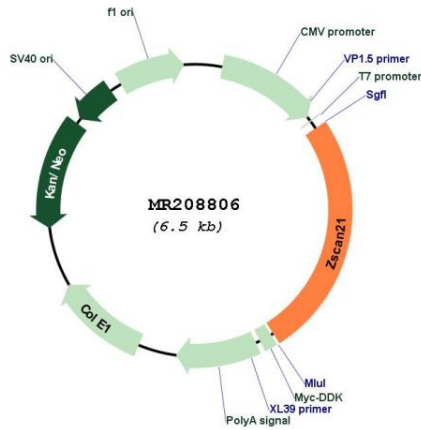
RefSeq ORF: 1668 bp

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 MR208806