

Product datasheet for **MG208806**

Zscan21 (NM_011757) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan21 (NM_011757) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zscan21
Synonyms:	AI326272; CTfin51; RU49; Zfp-38; Zfp38; Zipro1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208806 representing NM_011757
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTAAGTGGTGGGCATGGCCACAGTTCTGGGCCAGGCCACCTCAGGAATCTATGGGACCTTCGC
 CCATTAAGTAGAAGAGGATGAAGAGAAAAGACAAGTGCTGCCCTACCCTAGAGCTATCCATAAGCACTT
 CAGACAGTCTGGGAACCAAGATACCCTTGGCCAAATGGGTCTTCGACCATTAAAGCTGAAGAGGATGAA
 AGCAAAGACAAGTCCGCCCTAACCTAGAGATATCCCGTAAGAGCTTCAAGCAGTTTGGGTACCAAGACA
 CTCTTGGCAGTTGGGACCTTCGACCTAAAGCTGAAGAGGATGATGAGAAGGATAAGGGCCACCTTAG
 CCCAGAGATATCTCGACAGCGCTTCAGGCAATTTGGGTACCATGACACTCCTGGGCCCGAGAGGCACTG
 AGCCAGCTTCGGGTGCTCTGCTGTGAGTGGCTACAGCCGAGATCCACACCAAAGAGCAGATTCTAGAGC
 TACTGGTTCTGGAGCAGTTCCTGACCATCTGCCCGAGAGCTCCAGACCTGGGTACAGCAGCACTGCC
 TGAAGTGCAGAGGAGGCCGTCACTCTCCTGGAAGACCTGGAGCAAGAATTGATGAGCCAGGACTGCAG
 GTCTCATCTCTCCAAATGAACAGAAGCAGTCTTGGGAGAAAATGTCAACTTCAGGAACGGCAATGGAGT
 CCTTAAGCAGTACTGAGACCCAACATGTGGATGCCAGCCCTAAATATGAGTTTTGGGGGCCCTGTACAT
 CCAAGAGACTGGTGGAGGAGGTTTTTACTCAGGATCCAAGAAAGCGCCAAGGTTTTAAATCGAATCCC
 CAGAAGGAGGACTCAGCAGATGAGCACAGAAGTTCTGAAGAAGAGTCTCATGCAGACGGACTCAAAGAA
 CCGTCATCCCATGATTCCTGCCAATAAGTATGGGTACGGTACAGAAAGGCAGTGGGCCAACCACTGGA
 GAGGGAGAGGGGACAAAAGCCTCTCTTCAAGACACAGGTTCCAGGAAAGGGCAGAGCCAGCGTCTACT
 AGGCCTGCCCGAGAGAGAAAACGTTACATATGTGCAGAGTGTGGGAAGGCCTTGAAGCAATAGCTCAAAC
 CTACTAAGCACCGGAGAACACACACTGGGAGAAAGCCTTATGTGTGACAAAGTGTGGGAAGGCTTTCAG
 CCACAGCTCCAACCTTACCCTTACCTTACCTGAGAACTCACCTGGTGGACCGGCCCTATGACTGTAAAGTGGG
 AAAGCCTTTGGGCAGAGCTCAGACCTCCTTAAACATCAAAGGATGCACACGGAAGAGGCGCCCTATCAGT
 GTAAGACTGTGGGAAAGCCTTGTAGTGGGAAGGGCAGCCTCATTGACACTATCGCATCCACACAGGGGA
 GAAGCCCTATCAGTGTAATGAGTGTGGAAAGAGTTTTAGTGCAGATGCAGGTCTCAGTTCTCATCAGCGT
 CTGCATACAGGGGAGAAACCTATAAGTGAAGGAGTGTGGCAAAGCCTTCAACCATAGTTCAAATTTTA
 ATAAGCATCATAGAATCCATACTGGCGAAAAGCCCTATTGGTGTAGCCACTGTGGGAAAACCTTCTGTAG
 CAAGTCCAATCTGTCCAAGCATCAGAGAGTTCACACTGGAGAGGGAGAAGTCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208806 representing NM_011757
 Red=Cloning site Green=Tags(s)

MTKVVGMA TVL GPRPPQESMGPSPIKVEEDEEKDKCCPTLEL SHKHFRQSGNQDTLEPMGPSTIKAEDE
 SKDKCRPNLEISRKSFQFGYQDTLEQLGPSTIKAEEDDEKDKGHPSEISRQFRQFGYHDTPGPREAL
 SQLRVLCCCEWLQPEIHTKEQILELLVLEQFLTILPRELQTVWQQHCPESAEEAVTLLEDLEQELDEPGLQ
 VSSPPNEKQKQSWEKMSTSGTAMESLSSTETQHVDASPKYEFWGPLYIQETGEEVFTQDPRKRQGFKSNP
 QKEDSADEHRSSSEESHADGLKRTVIPMIPANKYGSRSERQWANNLERERGTKASLQDTSRKAEPAST
 RPAPGEKRYICAECGKAFSNSSNLTKHRRTHTEKPYVCTKCGKAFSHSSNLTLHYRTHLVDRPYDCKCG
 KAFGQSSDLLKHQRMHTEEAPYQCKDCGKAFSGKGLIRHYRIHTGEKPYQCNECGKSFQHAAGLSSHQR
 LHTGEKPYKCKEKGAFNHSSNFNKHRIHTGEKPYWCSHGKTFCSKSNLSKHQRVHTGEDEVQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_011757
ORF Size:	1668 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:	<ol style="list-style-type: none">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_011757.3 , NP_035887.2
RefSeq Size:	2321 bp
RefSeq ORF:	1668 bp
Locus ID:	22697
UniProt ID:	Q07231
Cytogenetics:	5 76.96 cM
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]