

## Product datasheet for **MC228283**

### Zscan21 (NM\_001044704) Mouse Untagged Clone

#### Product data:

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



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**Fully Sequenced ORF:** >MC228283 representing NM\_001044704  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTAAGTGTTGGGCATGGCCACAGTTCTGGCCCCAGGCCACCTCAGGAATCTATGGACCTTCGC  
 CCATTAAGTAGAAGAGGATGAAGAGAAAAGACAAGTGCTGCCCTACCCTAGAGCTATCCATAAGCACTT  
 CAGACAGTCTGGGAACCAAGATACCCTTGGCCAAATGGGTCTTCGACCATTAAAGCTGAAGAGGATGAA  
 AGCAAAGACAAGTGCCGCCCTAACCTAGAGATATCCCGTAAGAGCTTCAAGCAGTTTGGGTACCAAGACA  
 CTCTTGAGCAGTTGGGACCTTCGACCATTAAAGCTGAAGAGGATGATGAGAAGGATAAGGGCCACCTAG  
 CCCAGAGATATCTCGACAGCGCTTCAGGCAATTTGGGTACCATGACACTCCTGGGCCCGAGAGGCACTG  
 AGCCAGCTTCGGGTGCTCTGCTGTGAGTGGCTACAGCCCGAGATCCACACCAAAGAGCAGATTCTAGAGC  
 TACTGGTTCTGGAGCAGTTCCTGACCATCTGCCCGAGAGCTCCAGACCTGGGTACAGCAGCACTGCC  
 TGAAGTGCAGAGGAGGCCGTCACTCTCCTGGAAGACCTGGAGCAAGAATTGATGAGCCAGGACTGCAG  
 GTCTCATCTCTCCAAATGAACAGAAGCAGTCTTGGGAGAAAATGTCAACTTCAGGAACGGCAATGGAGT  
 CCTTAAGCAGTACTGAGACCCAACATGTGGATGCCAGCCCTAAATATGAGTTTTGGGGGCCCTGTACAT  
 CCAAGAGACTGGTGAGGAGGAGTTTTTACTCAGGATCCAAGAAAGCGCCAAGGTTTTAAATCGAATCCC  
 CAGAAGGAGGACTCAGCAGATGAGCACAGAAGTTCTGAAGAAGAGTCTCATGCAGACGGACTCAAAAGAA  
 CCGTCATCCCCATGATTCCTGCCAATAAGTATGGGTACGGTACAGAAAGGCAGTGGGCCAACCACTGGA  
 GAGGGAGAGAGGGACAAAAGCCTCTCTTCAAGACACAGTTCCAGGAAAGGGCAGAGCCAGCGTCTACT  
 AGGCCTGCCCGAGGAGAAAACGTTACATATGTGCAGAGTGTGGGAAGGCCTTTAGCAATAGCTCAAACC  
 TCACTAAGCACCGGAGAACACACACTGGGGAGAAGCCTTATGTGTGACAAAGTGTGGGAAGGCTTTCAG  
 CCACAGCTCCAACCTTACCCTTATTACCGAACTCACCTGGTGGACCGGCCCTATGACTGTAAGTGTGGG  
 AAAGCCTTTGGGCAGAGCTCAGACCTCCTTAAACATCAAAGGATGCACACGGAAGAGGCGCCCTATCAGT  
 GTAAAGACTGTGGGAAAGCCTTTAGTGGGAAGGGCAGCCTCATTTCGACACTATCGCATCCACACAGGGGA  
 GAAGCCCTATCAGTGTAATGAGTGTGGAAAGAGTTTTAGTGCAGATGCAGGTCTCAGTTCTCATCAGCGT  
 CTGCATACAGGGGAGAAACCTATAAGTGAAGGAGTGTGGCAAAGCCTTCAACCATAGTTCAAATTTTA  
 ATAAGCATCATAGAATCCATACTGGCGAAAAGCCCTATTGGTGTAGCCACTGTGGGAAAACCTTCTGTAG  
 CAAGTCCAATCTGTCCAAGCATCAGAGAGTTCACACTGGAGAGGGAGAAGTCCAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001044704
- Insert Size:** 1668 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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

**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]  
Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1,2,3 and 4 encode the same protein.