

Product datasheet for **MC202042**

Zscan4c (NM_001013765) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan4c (NM_001013765) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zscan4c
Synonyms:	Gm397; XM_142517; Zscan4d
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC050218 sequence for NM_001013765
 GACACACAGTGCCTCCCTGGGCTTCTTGGCATCACCCCTTGAAGTTCACCGGAGAAAGCAGTGAGGTGGAG
 GAATAGGTAAACTTTCCTTCTAGTGGTCTTGAATGTCTTTACAGTACATCCATCAACTGTTAGCATTT
 TCGTAAAGTCACAAAACAGATATTAACACTATAGTTGAATCTTTCACACCATTGTCCACCAATGGCT
 TCACAGCAGGCACCAGCAAAAGACCTTCAGACCAACAATTTAGAGTTTACTCCAAGTATAGTTCTGGT
 TGCAGTGGGCAGAAGACATCTCTAACTACCAAGTCTCAGCTAAACTTTTCCCAAGTAACAATGGCTG
 CTGGGCAACTCAGGAGCTGCAAAGTCTCTGGAAGATGTTCAACTCCTGGTTGCAGCCAGAAAAGCAGACT
 AAGGAGCAGATGATTTCTCAACTGGTCTTGGAGCAGTTTCTCCTCACTGGGCACTGCAAGGACAAGTATG
 CTTTGACAGAGAAGTGGAAAGCCAGTGGTAGCATATGAGGAGATTATGAGAGAGTCTGACTGATGAGTG
 CTTGAAGCCTCCTGTCATGGTCCATGTTTCAATGCAAGGACAAGAAGCCCTCTTTTCTGAAAACATGCCA
 TAAAAGAAGTCAAGCTTTTGAACAACAGCAATCTGCAACAAGGCCAACACCAGATAATGAGCAGA
 TGCCAGTAGACACCACACAAGATAGATTATTGGCCACAGGACAAGAAAACAGTGAATGAATGCAACAA
 CTCTTGTAACTACTGAAGCAATGTTGGTGAAGCTGTAGTGGAAATGAAATGGACTCCCTTCTTATT
 ATCCAGAAAGAAGCAGCACCTGAGCATGAAGAGGGGAATGTTGTTGTCAATCCCTCATGGTCCAGAA
 GAGCAAGTCAAGGCACCCAGTATCATGTAGACTTCCGAGTCTCCGACTACTGCCGATGTCCCAT
 GGAGGAACAACCAAGGATTTATCCAGAGAAAACATCTCTGAGGACAAGAACAATGCTATAACACTTCC
 AGAAATGCAGTACTCAAGTATATAGTGGTGAATATTTCCAGGAACAAGTCAAGTCAAGTCAAGTCAAGT
 ACAAGAGAATATATCATCCTGAGCCTGAGGTGGGAGATATTCCTTATGGAGTTTCTCAGGATTCTACAAG
 AGCAAGTCAAGGAACATCTACATGCCTGCAAGAGTCACTTGGGGAATGTTTTTCTGAAAACGACCCAAGG
 GAGGTACCAGGGTTGCAGTCTAGGCAAGAGCAGCCTATCTCTGATCCTGTCTTCTTGGTAAAGATCATG
 AGGCAACTTACCATGTGAAAGTCAAAAAGAGATTCTGTAGAGATGCCAACTATAACAAGTGTGAAGA
 GAATTTCTAGGATGTTCAAACATGCCAGGAGCCTTTCATCCCACCAGAGAAGTCAAGTGAATGAAGAAGT
 ACATGCCAGAAAAGCCTTCAAGTGCAGACATGTGAAAAGTCCCTCAGCCACAAGACCAACCTGAAGTC
 TCATGAGATGATTCACACAGGAGAAATGCCTTATGTCTGTTCCCTATGTAGCCGTCGCTTTCGCCAATCA
 TCCACTTACCATCGTCACCTGAGGAATTACCACAGATCTGACTGAACTATCTAACATCCTCAGCAGAGAC
 TGGTAGGGCTTACGCTCAGTATGTCTTCAAAGAGAGAAGAATGTTGCAAGTAAATGTACTGTCCC
 AATAATGATATAACATGCTTGTGGATTGCCACTTTTATGTTTTGTTTTGTTTTTATTTTGTGTGTGTGT
 GTATGTAATTTTTGTCTGTATTTCCATATTTCCACAGCATAAGTTATTAGAATACTTTGCTGTTAATTC
 TTGAGTTGCTTCTGCTTTTAGACAGTGTCTTTCTGGTTGGCAGCTTTATAAACCTGTCTTTCTGGCACT
 AGAGTTTCCAACATTTTCTGGTCTCCACTTTTATCTCTACAGTGTCTTGACAGAAGCCTGGCATTCC
 CTCTGACATTTTCTACATGTTGGGTTTTTATCCCAAGTCTTAGGTTGCAAGTTAAATGCATTGCCTCT
 TCAGACATCTCATGCCATGTCTACTGCTTACAGTTCAGAATATTTCTCTACATTACTAGAACGACGTTCC
 AAAGTGGAAATAAATAAATAAATAATCAACAATTAATAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_001013765

Insert Size: 1521 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).

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: [BC050218](#), [AAH50218](#)

RefSeq Size: 2292 bp

RefSeq ORF: 1521 bp

Locus ID: 245109

UniProt ID: [Q80VI6](#)

Cytogenetics: 7 A1

Gene Summary: Embryonic stem (ES) cell-specific transcription factor required to regulate ES cell pluripotency. Binds telomeres and plays a key role in genomic stability in ES cells by regulating telomere elongation. Acts as an activator of spontaneous telomere sister chromatid exchange (T-SCE) and telomere elongation in undifferentiated ES cells.[UniProtKB/Swiss-Prot Function]