

Product datasheet for **MC217238**

Zscan4d (NM_001100186) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan4d (NM_001100186) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zscan4d
Synonyms:	EG545913
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217238 representing NM_001100186
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTTCACAGCAGGCACCAGCAAAGACCTTCAGACCAACAATTTAGAGTTTACTCCATCTCATAGTT
CTGGTGTGCAGTGGGTAGAAGACATCTCTAACTACCAAGTGCTCAGCTAACTTTCTCCAAGTAACAA
TGGCTGCTGGCAACTCAGGAGCTGCAAAGTCTCTGGAAGATGTTCAACTCCTGGTTGCAGCCAGAAAAG
CAGACTAAGGAGCAGATGATTTCTCAACTGGTCTTGGAGCAGTTTCTCCTATTGGGCACTGCAAGGACA
AGTATGCTTTGACAGAGAAGTGGAAAGCCAGTGGTAGCGATATGAGGAGATTCATGGAGAGTCTGACTGA
TGAGTGTGAAGCCTCCTGTATGGTCCATGTTTCAATGCAAGGACAAGAAGCTCTTTTTCTGAAAAC
ATGCCATAAAAGAAGTCATCAAGCTTTTGAACAACAGCAATCTGCAACAAGGCCAACACCAGATAATG
AGCAGATGCCAGTAGACACCACACAAGATAGATTATTGGCCACAGGACAAGAAAACAGTGAAAATGAATG
CAACAACCTTTGTAATGCTACTGAAGCAAATGTTGGTGAAGCTGTAGTGAAAATGAAATGGACTCCCTT
CTTATTATCCAGAAAACAAGTACCCTGAGCATGAAGAGGGGAATGTTGTTTTTCAATCCCTCTTGATG
CCAGAAGAGCAAGTCAAGGCAACTCCAGTCATCATGTAGACTTCCGGAGTGCTCCGACTCCTGCGGATGT
CCCCATGGAGGAACAACCAAGGATTTATCCAGAGAAAACATCTCTGAGGACAAGAACAATTGCTATAAC
ACTTCCAGGAATGCAGCTACTCAAGTATATAGAAGTGATAATATCCAGGAAAAAGACAGACTCCCTTT
CCATTAACAAGAGAAATATCATTCTGAGCCTGAGGAGGGAGATATTCCTTATGGAGTTCCTCAGGATTC
TACAAGAGCAAGTCAAGGAACATCTACATGCTTGAAGAGTCACTTGGGGAAATGTTTTCTGAAAAGAC
CCTAGGGAGCTACCAGGGTTGGAGTCTAGGCAAGAGGAGCCTATCTCTGATCCTGTCTTTCTTGGTAAGG
TGAAGAATGTTCTAGGATGTTCAAACATGCCAGGAGCCTTTCGTCACCACAGAGAACTCACCTGAATAAG
AAGAGTGAATTGCTTTGTGTACCTGTGAGAAAATGTTCAAACGAGTCTCTGACCGCCGAACCCATGAGA
TCATACACATGCCAGAAAAGCCTTTCAAGTGCAGCACATGTGAAAAGTCCTTCAGCCACAAGACCAACCT
GAAGTCTCATGAGATGATTCACACAGGAGAAAATGCCTTATGTCTGTTCCCTATGTAGCCGTGCTTTTCGC
CAATCATCCACTTACCATCGTCACCTGAGGAATTACCACAGATCTGACTGA

ACGGTACGGCGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001100186

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: [NM_001100186.1](#), [NP_001093656.1](#)

RefSeq Size: 1992 bp

RefSeq ORF: 1521 bp

Locus ID: 545913

UniProt ID: [A7KBS4](#)

Cytogenetics: 7 A1

Gene Summary: Transcription factor required to regulate early development. Binds telomeres and plays a key role in genomic stability by regulating telomere elongation. Acts as an activator of spontaneous telomere sister chromatid exchange (T-SCE) and telomere elongation (By similarity).[UniProtKB/Swiss-Prot Function]