

Product datasheet for **MC217246**

Zscan4f (NM_001110316) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan4f (NM_001110316) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zscan4f
Synonyms:	C330039H09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217246 representing NM_001110316
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTTCACAGCAGGCACCAGCAAAGACCTTCAGACCAACAATTTAGAGTTTACTCCAAGTATAGTT
 CTGGTGTGCAGTGGGCAGAAGACATCTCTAACTACCAAGTGCTCAGCTAACTTTCCCAAGTAACAA
 TGGCTGTGGGCAACTCAGGAGCTGCAAAGTCTCTGGAAGATGTTCAACTCCTGGTTGCAGCCAGAAAAG
 CAGACTAAGGAGCAGATGATTTCTCAACTGGTCTTGAGCAGTTTCTCCTCACTGGGCACTGCAAGGACA
 AGTATGCTTTGACTGAGAAGTGGAAAGCCAGTGGTAGCGATATGAGGAGATTCATGGAGAGTCTGACTGA
 TGAGTGCTTGAAGCCTCTGTCTGATGGTCCATGTTTCAATGCAAGGACAAGAAGCCCTCTTTCTGAAAAC
 ATGCCATTAAGAAGTCATCAAGCTTTTGAACAACAGCAATCTGCAACAAGGCCAACACCAGATAATG
 AGCAGATGCCAGTAGACACCACACAAGATAGATTATTGGCCACAGGACAAGAAAACAGTGAATGAATG
 CAACAACCTTTGTAATGCTACTGAAGCAAATGTTGGTGAAGCTGTAGTGAAATGAAATGGACTCCCTT
 CTATTATGCAGAAAGAAGCAGCACCTGAGCATGAAGAGGGGAATGTTGTTTGTCAATTCCTCATGGTG
 CCAGAAGAGCAAGTCAAGGCACCCCAAGTCATCATGTAGACTTCCCGAGTGCTCCGACTACTGCCGATG
 CCCCATGGAGGAACAACCAAGGATTTATCCAGAGAAAACATCTCTGAGGACAAGAACAATTGCTATAAC
 ACTTCCAGAAATGCAGCTACTCAAGTATATAGTGGTGATAATATCCAGGAACAAGTCAGACTCCCTTT
 TCATTAACAAGAGAATATATCATCTGAGCCTGAGGTGGGAGATATTCCTTATGGAGTTCCTCAGGATTC
 TACAAGAGCAAGTCAAGGAACATCTACATGCCTGCAAGAGTCACTTGGGGAATGTTTTCTGAAAAGAC
 CCTAGGGAGGTACCAGGTTGCAGTCTAGGCAAGAGCAGCTTATCTCTGATCCTGTCTTCTTGGTAAGA
 ATCATGAGGCAAACTTACCATGTGAAAGTCATCAAAAGAGATTCTGTAGAGATGCCAACTATACAAGT
 TGAAGAATGTTCTAGGATGTTCAAACATGCCAGGAGCCTTTCATCCCACCAGAGAACTCACCTGAATAAG
 AAGAGTGAATTGCTTTGTGTACCTGTGCAAAAATGTTCAAACGAGTCTCTGACCGCCGAACCCATGAGA
 TCATACACATGCCAGAAAAGCCTTTCAAGTGCAGCACATGTGAAAAGTCCTTCAGCCACAAGACCAACCT
 GAAGTCTCATGAGATGATTCACACAGGAGAAATGCCTTATGTCTGTTCCCTATGTAGCCGTGCTTTTCGC
 CAATCATCCACTTACCATCGTCACCTGAGGAATTACCACAGATCTGAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001110316

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001110316.2, NP_001103786.2</u>
RefSeq Size:	1829 bp
RefSeq ORF:	1521 bp
Locus ID:	665902
UniProt ID:	<u>Q3URS2</u>
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]