

Product datasheet for **MC228249**

Zscan10 (NM_001289483) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan10 (NM_001289483) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zscan10
Synonyms:	BC068284; Zfp206; Zkscan10; Znf206
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228249 representing NM_001289483
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCCAGAGCCCGAGGAGACTCCAGGACCCACGAGAAAGCAACCCTTCCCAGGGCCCTTCATGGC
 TTGAGGAAAATCCAGAGACCAAGAGCTGGCGGCTGTGTTGGAGTCCCTCACCTTTGAGGATACCTCAGA
 GAAGAGAGCTTGGCCTGCAAACCCTCTTGATTGGAAGCAGAATGCCTGACAATGAGGAACTTAAAGTT
 GAAGAGCCTAAAGTGACTACTTGGCCTGTGCTATTGGAGCAGAGTCCCAGACAGAGAAACCTGAAGTTG
 CAGGAGAGCCTTACGCAAACCTGTAGGGCAGGAGACCAGCAGCACTGGTTGGGGAGGACTCCTGCTGA
 CGGCAGTGAAGTTGTGAAGGCCACCAGTTACAATCTCACCCAACTGCAACCTCACCCAAAGCTCTCGA
 TCCTTCCGATGTCTGTGGTGTGGGAAGACTTTGGACGCAGCTCGATCCTCAAGCTGCACATGCGCACTC
 ACACAGACGAGCGCCGACGCCTGTCTCTGCAACCGCCGCTCCGCCAGAGCTCACACCTGACGAA
 GCCTTGTAAACGCATTCTCTGAGCCTGCCTCCGATGCGCCGAGTGAACAGGGTTTTACAGCTCGC
 TCCAGCCTCATGACGACCTGTGGCACATGCCAGGGAAAGAATCTCACGCCAAATCCAGAAGGCAAGA
 CAAAAGTGCCAGAGATGGCAGCTGTCTCTGTTCCCACTGCGGGCAGACCTTCAAGCGGCCCTCTAGCTT
 AAAGCGTCACCTGCGTAACCATGCCAAGGACAAGGACCATCTGTCTCTGAAGACCTGGCAGCCTTAGC
 TCTAGCCAGGAGAGTAACCCCTATGTGTGTAGTGACTGTGGCAAGGCCTCCGACAAAGCGAGCAACTAA
 TGATCCACACTAGGCGAGTCCATACCCGTGAACGACCCTTCTCTGCCAGGTCTGTGGCCGCTGCTTTAC
 CCAAAATCCCAGCTGATCAGCCACCAGCAGATTCATACGGGTGAGAAGCCTCACGCCTGTCTCAGTGC
 AGCAAACGCTTTGTGAGACGAGCTGGCCTTGTCTGGCATCTGTTGACCCACGGTAGCCTCCGGCCTTACC
 ACTGTGCCAAATGTGGCAAAGCTTTGCGCAAATGCGAGACCTAACCCGCCACGTACGCTGCCACAGGG
 GGAGAAGCCCTGCCGATGCAACGAATGTGGAGAGGGGTTCAACCCAGAATGCCACCTGGCAGCCACCAA
 CGCATCCACAGGGGGAGAAGCCCAACGCTGTGACATCTGTGGTCAACGCTTTCGTAACAGCTCCAAC
 TGGCCCGCCACCGCCGACGACACTGGCGAACGGCCCTATAGCTGTCCAACCTGTGGCCGAGTTTCCG
 GCGCAATGCGCACCTGCAGCGCCACCTGATCACACACAGGGTCAAAGCAAGAAAAGGAAGTTCTCAG
 GAGTGCCTGAGTGTGGCAAGAGCTTCAATCGCAGCTGCAACTTGTCTGCGCCACCTGCTGGTTACACCCG
 GTGCAAGGCTTACTCTGTGCACTGTGTGGCCGACGTTACGCCGTAATTCACACCTGTGCGCCACCT
 GCGAACCCATGCCCGGAATCGCTGTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001289483
- Insert Size:** 1641 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_001289483.1](#), [NP_001276412.1](#)

RefSeq Size: 2135 bp

RefSeq ORF: 1641 bp

Locus ID: 332221

UniProt ID: [Q3URR7](#)

Cytogenetics: 17 A3.3

Gene Summary: Embryonic stem (ES) cell-specific transcription factor required to maintain ES cell pluripotency. Can both activate and /or repress expression of target genes, depending on the context. Specifically binds the 5'-[GA]CGCNGCG[CT]-3' DNA consensus sequence. Regulates expression of POU5F1/OCT4, ZSCAN4 and ALYREF/THOC4.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) uses alternate in-frame splice sites in the 5' and 3' coding region and initiates translation at a downstream start codon, compared to variant 1. This results in an isoform (4) that is shorter, compared to isoform 1.