

Product datasheet for **MC228635**

Zscan10 (NM_001289482) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan10 (NM_001289482) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zscan10
Synonyms:	BC068284; Zfp206; Zkscan10; Znf206
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228635 representing NM_001289482
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGGCGGAACCACTCCCTGATGCCCTGGAACAAGAGCATCCCGGAGCAGTGAAGTTGGAGGAGGATG
 AAGTTGGCGAGGAGGATCCAGGCTCGCAGAGTCCAGGCCTAGGCCTGAGGTGGCCACCAAGCTTTTCAG
 ATGCTTCCAGTATCAGGAAGATATGGGGCCACGGGCATCCCTGGCCGGCTCCGGAACTCTGCAACCAC
 TGGCTGCGACCGGCTCTGCACACCAAGAAGCAGATCCTGGAGCTGCTGGTACTGGAGCAGTTCCTGAGTG
 TCCTGCCCCCGCATGTGCTGAGCCGGCTGCACGGCCAACCGCTCCGGGACGGAGAGGAGGTGGTACAGCT
 ATTGGAGGGCGTCCAGAGACATCAGCCACATGGGGCCACTGGAGTCCCTCACCTTTGAGGATACCTCA
 GAGAAGAGAGCTTGGCCTGCAAACCTCTTGGATTTGGAAGCAGAATGCCTGACAATGAGGAACTAAAG
 TTGAAGAGCCTAAAGTACTACTTGGCCTGTCGTCATTGGAGCAGAGTCCAGACAGAGAAACCTGAAGT
 TGCAGGAGAGCCTTTACGAACTGTAGGGCAGGAGACCAGCAGCACTGGTTGGGGAGGTACTCCTGCT
 GACGGCAGTGAAGTTGTGAAGTTAGAGGAGCTTCCGATGCCCCAGAGCCCAAGGGGAGATGCAGTTCA
 TATGTACATATTGTGGGGTAAACTTCCCAGAGATGTCTCATCTACAGGCCACCAGTTACAATCTCACCC
 CAACTTGAACCTCACCAAGCTCTCGATCCTTCCGATGTCTGTGGTGTGGGAAGACTTTTGGACGCAGC
 TCGATCCTCAAGCTGCACATGCGCACTCACACAGACGAGCGGCCGACGCTGTCTCTGCAACCGCC
 GCTTCCGCCAGAGCTCACACCTGACGAAGCACTTGCTAACGCATTCCTCTGAGCCTGCCTCCGATGCGC
 CGAGTGTAAACAGGGTTTCAGCGTCGCTCCAGCCTCATGCAGCACCTGCTGGCAGATGCCAGGGAAAG
 AATCTCACGCCAAATCCAGAAGGCAAGACAAAAGTCCAGAGATGGCAGCTGTCTCTGTTCCCACTGCG
 GGCAGCACTTCAAGCGGCGCTTAGCTTAAAGCGTCACCTGCGTAACCATGCCAAGGCAAGGACCATCT
 GTCTCTGAAGACCCCTGGCAGCCTTAGCTCTAGCCAGGAGAGTAACCCCTATGTGTGTAGTACTGTGGC
 AAGGCCTTCCGACAAAGCGAGCAACTAATGATCCACACTAGGCGAGTCCATACCCGTGAACGACCCCTCT
 CCTGCCAGGTCTGTGGCCGCTGCTTTACCCAAAATCCCAGCTGATCAGCCACCAGCAGATTCATACGGG
 TGAGAAGCCTCACGCCTGTCTCAGTGCAGCAAACGCTTGTGAGACGAGCTGGCCTTGTCTGGCATCTG
 TTGACCCACGGTAGCCTCCGGCCTTACCCTGTGCCCAATGTGGCAAAGCTTTCGCCAAATGCGAGACC
 TAACCCGCCACGTACGCTGCCACACGGGGGAGAAGCCCTGCCGATGCAACGAATGTGGAGAGGGTTTAC
 CCAGAATGCCACCTGGCAGCCACCAACGCATCCACACGGGGGAGAAGCCCAACGCTGTGACATCTGT
 GGTACCCTTTGTAACAGCTCAACTTGGCCCGCCACCGCCGAGCCACACTGGCGAACGGCCCTATA
 GCTGTCCAACCTGTGGCCGAGTTTCCGGCGCAATGCGCACCTGCAGCGCCACCTGATCACACACAGG
 GTCAAAGCAAGAAAAGGAAGTTCCTCAGGAGTGCCTGAGTGTGGCAAGAGCTTCAATCGCAGCTGCAAC
 TTGCTGCGCCACCTGCTGGTTCACACCGGTGCAAGGCCTTACTCCTGTGCACTGTGTGGCCGAGCTTCA
 GCCGTAATTCACACCTGTGCGCCACCTGCGAACCATGCCCGGGAATCGCTGTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001289482

Insert Size: 2019 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:	<ol style="list-style-type: none">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:	<u>NM_001289482.1</u> , <u>NP_001276411.1</u>
RefSeq Size:	2405 bp
RefSeq ORF:	2019 bp
Locus ID:	332221
UniProt ID:	<u>Q3URR7</u>
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]CGC ^N NGCG[CT]-3' DNA consensus sequence. Regulates expression of POU5F1/OCT4, ZSCAN4 and ALYREF/THOC4.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks two alternate in-frame exons in the coding region, compared to variant 1. This results in an isoform (3) that is shorter, compared to isoform 1.