

Product datasheet for **MC228853**

Zscan10 (NM_001289481) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan10 (NM_001289481) 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: >MC228853 representing NM_001289481
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGGCGGAACCAAGTCCCTGATGCCCTGGAACAAGAGCATCCCGGAGCAGTGAAGTTGGAGGAGGATG
 AAGTTGGCGAGGAGGATCCAGGCTCGCAGAGTCCAGGCCTAGGCCTGAGGTGGCCACCAGCTTTTCAG
 ATGCTTCCAGTATCAGGAAGATATGGGGCCACGGGCATCCCTGGGCCGGCTCCGGGAACCTGCAACCAC
 TGGCTGCGACCGGCTCTGCACACCAAGAAGCAGATCCTGGAGCTGCTGGTACTGGAGCAGTTCCTGAGTG
 TCCTGCCCCCGCATGTGCTGAGCCGGCTGCACGGCCAACCGCTCCGGGACGGAGAGGAGGTGGTACAGCT
 ATTGGAGGGCGTGCCAGAGACATCAGCCACATGGGGCCACTGGATTTTAGCTTCAGTCTGGCAAGAAT
 GCCCTGCAGACATCATCTCAGAGGAACAAAATAGCCCTTCCAGGTCCCAGCCACAGCCCCAGACGG
 AGTTGCCCTCAGAAGAGATTCCAGCCCTACATCCACTGAATGAGTTACCTCCACCTCAGCCAGCACCCAT
 AAGGCCTGCTGAGCCTGAGGAGTGGAGACTGGCCCCAGTTCAAATTGGCCAATGAGCCAGAGCCCCAG
 GAGATACTCCAGGACCCACGAGAAAGCAACCCCTCCAGGGCCCTTCATGGCTTGAGGAAAATCCAGAG
 ACCAAGAGCTGGCGGCTGTGTTGGAGTCCCTCACCTTTGAGGATACCTCAGAGAAGAGAGCTTGGCCTGC
 AAACCCTCTTGGATTTGGAAGCAGAATGCCTGACAATGAGGAACCTAAAGTTGAAGAGCCTAAAGTGACT
 ACTTGGCCTGTGCTCATTGGAGCAGAGTCCCAGACAGAGAAAACCTGAAGTTGAGGAGAGCCTCTTACGC
 AAAGTGTAGGGCAGGAGACCAGCAGCACTGGTTGGGGAGTACTCCTGCTGACGGCAGTGAAGTTGTGAA
 GGCCACCAGTTACAATCTACCCCAACTTGCAACCTCACCAAGCTCTCGATCCTTCCGATGTCTGTGG
 TGTGGGAAGACTTTTGGACGCAGCTCGATCCTCAAGCTGCACATGCGCACTCACACAGACGAGCGCCGC
 ACGCCTGTCACTCTGCAACCGCCGCTCCGCCAGAGCTCACACCTGACGAAGCACTTGCTAACGCATT
 CTCTGAGCCTGCCTTCCGATGCGCCGAGTGTAAACCAGGGTTTTTCAGCGTGCCTCCAGCCTATGCAGCAC
 CTGCTGGCACATGCCAGGAAAGAATCTCACGCCAAATCCAGAAGGCAAGACAAAAGTGCCAGAGATGG
 CAGCTGTCTCTGTTCCCACTGCGGGCAGACCTTCAAGCGGCGCTCTAGCTTAAAGCGTCACTGCGTAA
 CCATGCCAAGGACAAGGACCATGTCTCTGAAGACCCTGGCAGCCTTAGCTCTAGCCAGGAGAGTAAC
 CCATATGTGTGTAGTGACTGTGGCAAGGCCTTCCGACAAAGCGAGCAACTAATGATCCACACTAGGCGAG
 TCCATACCCGTGAACGACCCTTCTCTGCCAGGTCTGTGGCCGCTGCTTACCCAAAATCCAGCTGAT
 CAGCCACCAGCAGATTCATACGGGTGAGAAGCCTCACGCCTGTCTCAGTGCAGCAAACGCTTTGTGAGA
 CGAGCTGGCCTTGCTCGGCATCTGTTGACCACGGTAGCCTCCGGCCTTACCACTGTGCCAATGTGGCA
 AAAGCTTTTCGCCAAATGGGAGACCTAACCCGCCACGTACGCTGCCACACGGGGGAGAAGCCCTGCCGATG
 CAACGAATGTGGAGAGGGGTTACCCAGAATGCCACCTGGCACGCCACCAACGCATCCACACGGGGGAG
 AAGCCCCACGCTGTGACATCTGTGGTCAACCGCTTTCGTAACAGCTCCAACCTGGCCCGCCACCGCCGCA
 GCCACACTGGCGAACGGCCCTATAGCTGTCCAACCTGTGGCCGAGTTTCCGGCGCAATGCGCACCTGCA
 GCGCCACCTGATCACACACAGGGTCAAAGCAAGAAAAGGAAGTTTCTCAGGAGTGCCTGAGTGTGGC
 AAGAGCTTCAATCGCAGCTGCAACTGTGCGCCACCTGCTGGTTCACACCGGTGCAAGGCCCTACTCCT
 GTGCACTGTGTGGCCGAGCTTCAGCCGTAATTCACACCTGCTGCGCCACCTGCGAACCCATGCCCGGA
 ATCGCTGTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289481
Insert Size: 2253 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_001289481.1, NP_001276410.1</u>
RefSeq Size:	2639 bp
RefSeq ORF:	2253 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]CGCNNGCG[CT]-3' DNA consensus sequence. Regulates expression of POU5F1/OCT4, ZSCAN4 and ALYREF/THOC4.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses alternate in-frame splice sites in the 3' coding region, compared to variant 1. This results in an isoform (2) that is shorter, compared to isoform 1.