

Product datasheet for **MC228728**

Zscan10 (NM_001289484) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan10 (NM_001289484) 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: >MC228728 representing NM_001289484
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGCGGAACCAAGTCCCTGATGCCCTGGAACAAGAGCATCCCGGAGCAGTGAAGTTGGAGGAGGATG
 AAGTTGGCGAGGAGGATCCAGGCTCGCAGAGTCCAGGCCTAGGCCTGAGGTGGCCACCAAGCTTTTCAG
 ATGCTTCCAGTATCAGGAAGATATGGGGCCACGGGCATCCCTGGCCGGCTCCGGGAACCTGCAACCAC
 TGGCTGCGACCGCTCTGCACACCAAGAAGCAGATCCTGGAGCTGCTGGATTTTAGCTTTCAGTGTGGCA
 AGAATGCCCTGCAGACATCATCTCAGAGGAACAAAATAGCCCTTCCAGGTCCCAGCCACAGCCCCCA
 GACGGAGTTGCCCTCAGAAGAGATTCCAGCCCTACATCCACTGAATGAGTTACCTCCACCTCAGCCAGCA
 CCCATAAGGCCTGCTGAGCCTGAGGAGTGGAGACTGGCCCCAGTTCAAATGGCCAATGAGCCAGAGC
 CCCAGGAGATACTCCAGGACCCACGAGAAAGCAACCCTTCCAGGGCCCTTCATGGCTTGAGGAAAATTC
 CAGAGACCAAGAGCTGGCGGCTGTGTTGGAGTCCCTCACCTTTGAGGATACCTCAGAGAAGAGAGCTTGG
 CCTGCAAACCCTCTTGGATTTGGAAGCAGAATGCCTGACAATGAGGAACCTAAAGTTGAAGAGCCTAAAG
 TGACTACTTGGCCTGTCGTCATTGGAGCAGAGTCCCAGACAGAGAAACCTGAAGTTGCAGGAGAGCCTCT
 TACGCAAACCTGTAGGGCAGGAGACCAGCAGCACTGGTTGGGGAGGTACTCCTGCTGACGGCAGTGAAGTT
 GTGAAGGCCACCAAGTTACAATCTACCCCAACTTGCAACCTCACCAAGCTCTCGATCCTTCCGATGTC
 TGTGGTGTGGGAAGACTTTTGGACGCAGCTCGATCCTCAAGCTGCACATGCGCACTCACACAGACGAGCG
 GCCGCACGCCTGTATCTCTGCAACCGCCGCTTCCGCCAGAGTCCACCTGACGAAGCACTTGTAAACG
 CATTCTCTGAGCCTGCCTTCCGATGCGCCGAGTGAACCAAGGTTTTTCCAGCGTCGCTCCAGCCTCATGC
 AGCACCTGCTGGCAGATGCCAGGAAAGAATCTCACGCCAAATCCAGAAGGCAAGACAAAAGTGCAGAG
 GATGGCAGCTGTCTCTGTTCCCACTGCGGGCAGACCTTCAAGCGCGCTCTAGCTTAAAGCGTCACTG
 CGTAACCATGCCAAGGACAAGGACCATCTGTCCTCTGAAGACCCTGGCAGCCTTAGCTCTAGCCAGGAGA
 GTAACCCCTATGTGTGTAGTGACTGTGGCAAGGCCTTCCGACAAAGCGAGCAACTAATGATCCACTAG
 GCGAGTCCATACCCGTGAACGACCCTTCTCCTGCCAGGTCTGTGGCCGCTGCTTTACCCAAAATCCAG
 CTGATCAGCCACCAGCAGATTACACGGGTGAGAAGCCTCACGCCTGTCTCAGTGCAGCAAACGCTTTG
 TGAGACGAGCTGGCCTTGCTCGGCATCTGTTGACCCACGGTAGCCTCCGGCCTTACCACTGTGCCAATG
 TGGCAAAGCTTTCGCCAAATGCGAGACCTAACCCGCCACGTACGCTGCCACACGGGGGAGAAGCCCTGC
 CGATGCAACGAATGTGGAGAGGGTTCACCCAGAATGCCACCTGGCAGCCACCAACGCATCCACACGG
 GGGAGAAGCCCCACGCCTGTGACATCTGTGGTACCCGCTTTCGTAACAGCTCCAACCTGGCCCGCCACCG
 CCGCAGCCACACTGGCGAACGGCCCTATAGCTGTCCAACCTGTGGCCGAGTTTCCGGCGCAATGGCGAC
 CTGCAGCGCCACCTGATCACACACACAGGGTCAAAGCAAGAAAAGGAAGTTCTCAGGAGTGCCTGAGT
 GTGGCAAGAGCTTCAATCGCAGCTGCAACTGTGCGCCACCTGTGTTTACACCCGGTGAAGGCCCTTA
 CTCCTGTGCACTGTGTGGCCGAGCTTACGCCGTAATTCACACCTGTGCGCCACCTGCGAACCCTATGCC
 CGGGAATCGCTGTACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289484
Insert Size: 2118 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_001289484.1, NP_001276413.1</u>
RefSeq Size:	2504 bp
RefSeq ORF:	2118 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 (5) uses alternate in-frame splice sites in the 5' and 3' coding region, compared to variant 1. This results in an isoform (5) that is shorter, compared to isoform 1.