

## Product datasheet for **MC221607**

### Zscan10 (NM\_001033425) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan10 (NM_001033425) 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)



[View online »](#)

**Fully Sequenced ORF:** >MC221607 representing NM\_001033425  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGGCGGAACCACTCCCTGATGCCCTGGAACAAGAGCATCCCGGAGCAGTGAAGTTGGAGGAGGATG  
 AAGTTGGCGAGGAGGATCCAGGCTCGCAGAGTCCAGGCCTAGGCCTGAGGTGGCCACCAAGCTTTTCAG  
 ATGCTTCCAGTATCAGGAAGATATGGGGCCACGGGCATCCCTGGGCCGGTCCGGGAACCTGCAACCAC  
 TGGCTGCGACCGGCTCTGCACACCAAGAAGCAGATCCTGGAGCTGCTGGTACTGGAGCAGTTCCTGAGTG  
 TCCTGCCCCCGCATGTGCTGAGCCGGCTGCACGGCCAACCGCTCCGGGACGGAGAGGAGTGGTACAGCT  
 ATTGGAGGGCTGCCAGAGACATCAGCCACATGGGGCCACTGGATTTTAGCTTCAGTCTGGCAAGAAT  
 GCCCTGCAGACATCATCTCAGAGGAACAAAATAGCCCTTCCAGGTCCCAGCCACAGCCCCAGACGG  
 AGTTGCCCTCAGAAGAGATTCCAGCCCTACATCCACTGAATGAGTTACCTCCACCTCAGCCAGCACCCAT  
 AAGGCCTGCTGAGCCTGAGGAGTGGAGACTGGCCCCAGTTCAAATTGGCCAATGAGCCCAGAGCCCCAG  
 GAGATACTCCAGGACCCACGAGAAAGCAACCCCTCCAGGGCCCTTCATGGCTTGAGGAAAATCCAGAG  
 ACCAAGAGCTGGCGGCTGTGTTGGAGTCCCTCACCTTTGAGGATACCTCAGAGAAGAGAGCTTGGCTGC  
 AAACCCTCTTGGATTTGGAAGCAGAATGCCTGACAATGAGGAACCTAAAGTTGAAGAGCCTAAAGTGACT  
 ACTTGGCTGTGCTCATTGGAGCAGAGTCCCAGACAGAGAAACCTGAAGTTGAGGAGAGCCTCTTACGC  
 AAAGTGTAGGGCAGGAGACCAGCAGCACTGGTTGGGGAGTACTCCTGCTGACGGCAGTGAAGTTGTGAA  
 GGTTAGAGGAGCTCCGATGCCCCAGAGCCCCAGGGGAGATGCAGTTTCATATGTACATATTGTGGGGTA  
 AACTTCCAGAGATGTCTCATCTACAGGCCACCAGTTACAATCTCACCCCAACTGCAACCTCACCCAA  
 GCTCTCGATCCTCCGATGTCTGTGGTGTGGGAAGACTTTTGGACGCAGCTCGATCCTCAAGCTGCACAT  
 GCGCACTCACACAGACGAGCGGCCGCACGCCTGTCTCTGCAACCCGGCTTCCGCCAGAGCTCACAC  
 CTGACGAAGCACTTGCTAACGCATTCTCTGAGCCTGCCTCCGATGCGCCGAGTGAACAGGGTTTTTC  
 AGCGTCGCTCCAGCCTCATGCAGCACCTGCTGGCAGTGCACAGGAAAGAAATCTCACGCCAAATCCAGA  
 AGGCAAGACAAAAGTGCCAGAGATGGCAGCTGTCTCTGTTCCCACTGCGGGCAGACCTTCAAGCGGCGC  
 TCTAGCTTAAAGCGTACCTGCGTAACCATGCCAAGGACAAGGACCATCTGCTCTGAAGACCCTGGCA  
 GCCTTAGCTCTAGCCAGGAGAGTAACCCCTATGTGTGTAGTGACTGTGGCAAGGCCTTCCGACAAAGCGA  
 GCAACTAATGATCCACACTAGGCGAGTCCATACCCGTGAACGACCCTTCTCTGCCAGGTCTGTGGCCGC  
 TGCTTTACCCAAAATCCAGCTGATCAGCCACCAGCAGATTACATACGGGTGAGAAGCCTCACGCCTGTC  
 CTAGTGCAGCAAACGCTTTGTGAGACGAGCTGGCCTTGTCTGGCATCTGTTGACCCACGGTAGCCTCCG  
 GCCTTACCACTGTGCCAATGTGGCAAAAGCTTTCGCCAAATGCGAGACCTAACCCGCCAGTACGCTGC  
 CACACGGGGGAGAAGCCCTGCCGATGCAACGAATGTGGAGAGGGGTTACCCAGAATGCCACCTGGCAC  
 GCCACCAACGCATCCACACGGGGGAGAAGCCCCACGCCTGTGACATCTGTGGTACCCGCTTTCGTAACAG  
 CTCCAATTGGCCCGCCACCGCCGACGCCACACTGGCGAACGGCCCTATAGCTGTCCAACCTGTGGCCGC  
 AGTTTCCGGCGCAATGCGCACCTGCAGCGCCACCTGATCACACACAGGGTCAAAGCAAGAAAAGGAAG  
 TTCTCAGGAGTGCCCTGAGTGTGGCAAGAGCTTCAATCGCAGCTGCAACTTGCTGCGCCACCTGCTGGT  
 TCACACCGGTGCAAGGCCTTACTCTGTGCACTGTGTGGCCGACGCTTACGCCGTAATTCACACCTGCTG  
 CGCCACCTGCGAACCATGCCCGGAATCGCTGTACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1557\\_a06.zip](https://cdn.origene.com/chromatograms/ja1557_a06.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001033425

**Insert Size:** 2349 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001033425.3</a> , <a href="#">NP_001028597.2</a>
<b>RefSeq Size:</b>	2708 bp
<b>RefSeq ORF:</b>	2349 bp
<b>Locus ID:</b>	332221
<b>UniProt ID:</b>	<a href="#">Q3URR7</a>
<b>Cytogenetics:</b>	17 A3.3
<b>Gene Summary:</b>	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 (1) represents the longest transcript and encodes the longest isoform (1).