

Product datasheet for **MC220998**

Sox5 (NM_001113559) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox5 (NM_001113559) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sox5
Synonyms:	A730017D01Rik; AI528773
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220998 representing NM_001113559
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTACTGACCCTGATTTACCTCAGGAGTTTAAAAGGATGTCTCCAAGCACCAGCCTCTCCGTATG
 GGGAGACAGATGGAGAGGTAGCCATGGTGACAAGCAGACAGAAAGTGAAAGAGGAGGAGAGTGAGAGGCT
 CCCAGCCTTTACCTTCCCTTACATGTGAGTTTTCCCAACAAGCCTCACTCTGAGGAATTCAGCCAGTT
 TCTCTGCTGACGCAAGAGACTTGTGGTCTAGGACCCCACTGTGCAGCACAACAATGGAAGTCGATG
 GCAATAAAGTTATGTCTTATTAGCTCCATACAACCTATCTACCTCACCTCAGAAGGCGGAAGAAGTGG
 GCGACAGAGTGGCGAGTCCGTGTGAGCGCAGCCCTGGGACTCCCGAGCGGCGCAAGGGCAGCTTAGCG
 GATGTGGTGGACACCCTGAAGCAGAGGAAGATGGAAGAGCTGATCAAGAATGAGCCAGAAGACACTCCCA
 GTATTGAAAAGCTACTCTCCAAGGACTGGAAGACAAGCTCCTGGCAATGGGATCAGGGAACCTTTGGAGA
 AATAAAAGGGACTCCTGAGAGCCTCGTGAGAAGGAGCGCAGCTCATGGGTATGATCAATCAGCTGACC
 AGTCTACGGGAGCAACTCCTGGCTGCCACGATGAGCAGAAGAAGTTGGCTGCATCTCAGATAGAGAAAC
 AGCGTCAGCAGATGGAGCTGGCCAAGCAGCAACAGGAGCAGATCGCGAGGCAACAGCAGCAGCTTCTGCA
 GCAACAACACAAAATCAACTTGCTTCAGCAACAGATCCAGCAGGTTCAAGGTCAGCTGCCGCCATTGATG
 ATTCCTCGTGTTCCTCCTGACCAGCGGACCCTCGCAGCAGCTGCCAGCAAGGATTCCTCCTTCTCCTG
 GTTTCAGCTACAAGGCTGGGTGCAGTGACCCTTACCCTGTTTACCTGATCCCAACCACTATGGCAGCTGC
 TGCTGCAGCAACACCAGGCTTAGGCCACTCCAGCTGCAGGATGAAGTGGCCAGCCACTGAACCTATCA
 GCTAAGCCCAAGACCTCTGATGGCAAATCACCTGCATCACCCACTCTCCTCACATGCCAGCTGAGAA
 TAAACAGTGGGGCTGGCCCCCTCAAAGCCTCTGTCCCGCAGCATTAGCTAGTCTTCTGCAAGAGTTAG
 CACAATAGGCTATTTAAATGACCACGATGCTGTACCAAGGCAATCCAAGAAGCTCGCCAGATGAAAGAG
 CAACTCAGGCGAGAGCAGCAAGCCTTGGACGGGAAGGTGGCCGTGGTGAACAGCATAGGTCTCAGCAACT
 GCCGACAGAAAAGGAAAAAACAACACTGGAGAGCCTGACTCAGCAGTTGGCAGTTAAACAGAATGAAGA
 AGGGAAATTTAGCCATGGAATGATGGATTTCAATATGAGTGGAGATTCTGACGGAAGCGCTGGAGTCTCA
 GAGTCAAGAAATTTACAGGAATCCAGGGGACGTGGTAGCAACGAGCCCCACATAAAGCGTCCAATGAATG
 CCTTCATGGTGTGGCGAAAAGATGAACGGAGGAAAATCCTTCAGGCCTTCCCGACATGCACAATCCAA
 CATCAGCAAGATACTGGGATCTCGCTGGAAGCTATGACCAACCTAGAGAAACAGCCATACTATGAGGAG
 CAGGCCCGCTCAGCAAACAGCACCTGGAGAAGTACCCGACTACAAGTACAAGCCTAGGCCAAAGCGCA
 CCTGTCTGGTGGACGGCAAGAACTGCGTATCGGGGAGTACAAGGCCATCATGCGGAACCGGAGGCAGGA
 AATGCGACAGTACTTCAACGTTGGGCAACAAGCACAGATCCCCATCGCGACGGCCGGAGTTGTATACCCC
 AGCGCCATCGCCATGGCAGGAATGCCGTCCCCTCACCTGCCCTCCGAGCACTCGAGCGTGTCCAGCAGCC
 CGGAGCCCGGATGCCCGTATCCAGAGCACTTACGGCGCAAGGGAGAGGAGGCCCCACATCAAGGAAGA
 GATCCAGGCTGAGGACATCAACGGAGAGATTTACGAGGAGTACGATGAGGAGGAGGAGGCCCGGATGTG
 GATTATGGGAGTGACAGCGAAAACACATTGCGGGACAAGCCAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001113559

Insert Size: 2148 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).

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_001113559.2, NP_001107031.2</u>
RefSeq Size:	7187 bp
RefSeq ORF:	2148 bp
Locus ID:	20678
Cytogenetics:	6 76.14 cM
Gene Summary:	<p>Binds specifically to the DNA sequence 5'-AACAAAT-3'. Activates transcription of COL2A1 and AGC1 in vitro.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region, compared to variant 1. This results in a shorter protein (isoform b), compared to isoform a.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>