

Product datasheet for **RN217186**

Sox5 (NM_001271267) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox5 (NM_001271267) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sox5
Synonyms:	Sox5l1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN217186 representing NM_001271267
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTTACTGACCCTGATTTACCTCAGGAGTTTAAAAGGATGTCTTCCAAGCGACCAGCCTCTCCGTATG
 GGGAGACAGATGGAGAGGTAGCCATGGTGACAAGCAGACAGAAAGTGAAGAGGAGGAGAGTGAGAGGCT
 CCCAGCCTTTACCTTCCCTTACATGTGAGTTTTCCCAACAAGCCTCACTCTGAGGAATTCAGCCAGTT
 TCTCTGCTGACGCAAGAGGCTTGTGGTCTAGGACCCCGCTGCTCAGCACAGTACAATGGAAGTCGATG
 GCAATAAAGTTATGTCTTATTAGCTCCGTACAACCTATCTACCTCACCTCAGAAGGCGGAAGAAGGTGG
 GCGACAGAGTGGGGAGTCGGTGTGAGCGCAGCCCTGGGACTCCCGAGCGGCGCAAGGGCAGCTTAGCG
 GATGTGGTCGACACCTTGAAGCAGAGGAAGATGGAGGAGTGTATCAAGAACGAGCCGGAAGACACTCCCA
 GCATTGAAAAGCTCCTCTCCAAGGACTGGAAGACAAGCTCCTGGCAATGGGATCAGGGAACCTTTGGAGA
 AATCAAAGGGACTCCTGAGAGCCTCGTGAGAAGGAGCGGCAGCTCATGGGTATGATCAATCAGCTGACC
 AGTCTACGGGAGCAACTCCTGGCTGCCATGATGAGCAGAAGAAGTTGGCTGCGTCTCAGATAGAGAAAC
 AGCGCCAGCAGATGGAGTTGGCCAAGCAGCAGCAGGAGCAGATCGCAAGGCAACAGCAGCAGCTTCTGCA
 GCAACAACACAAAATCAACTTGCTCCAGCAACAGATCCAGGTTCAAGGTCAGTGCCGCCATTGATGATT
 CCCGTGTTCCCTCCCGACCAGCGGACCCTCGCAGCAGCTGCCAACAAGGATTCTCCTTCTCCTCGGTT
 TCAGCTACAAGGCTGGGTGACGTGACCCCTACCCCGTTACAGTGTATCCCAACCACCATGGCAGCTGCCGC
 TGCAGCGACACCAGGCTTAGGCCACTCCAGCTGCAGCAGTCTATGCTGCCAGCTAGCTGCAATGCAG
 GTTTCTCCAGGAGGAAGCTCCTAGGCCACTCCAGCTGCAGCAGTCTATGCTGCCAGCTAGCTGCAATGCAG
 TTCACACAGACAAGAGCACAAACAGCCACCACCAAAAGCAAGGATGAAGTGGCCAGCCACTGAACT
 ATCAGCTAAGCCCAAGACCTCTGACGGCAAATCACCTGGCTCACCCACCTCTCCTCACATGCCAGCTCTG
 AGAATTAACAGTGGAGCGGGTCCCTCAAAGCCTCTGTCCAGCAGCGTTAGCTAGTCTTCAGCGAGAG
 TTAGCACAATAGGTTATTTAAATGACCACGATGCTGTACCAAGGCAATCCAAGAAGCCCGCCAGATGAA
 GGAACAGCTGAGGCGGGAGCAGCAAGCGCTGGATGGGAAGGTGGCCGTAGTGAACAGCATAGGTATCAGC
 AACTGCCGACAGAAAAGGAAAAACAACACTGGAGAGCCTGACTCAGCAGTTGGCAGTTAAACAGAATG
 AAGAAGGGAAATTTAGCCATGGAATGATGGATTTCAACATGAGTGGGGATTCTGACGGAAGCGCTGGAGT
 CTCAGAGTCGAGAATTTACAGGGAATCCAGGGGACGCGGTAGCAATGAGCCGCACATAAAGCGTCCAATG
 AATGCCTTCATGGTGTGGGCGAAAGATGAACGGAGGAAAATCCTTCAGGCCTTTCCGACATGCACAATT
 CCAACATCAGCAAGATACTGGGATCTCGTTGGAAAGCTATGACCAACCTAGAGAAAACAGCCATACTATGA
 GGAGCAGGCCCGGCTCAGCAAACAGCACCTGGAGAAGTACCCAGACTACAAGTACAAACCAGGCCGAAG
 CGCACTTGTCTGGTAGATGGGAAGAAATGCGCATTGGAGAGTACAAGGCCATCATGCGGAAATCGGAGGC
 AGGAAATGCGACAGTACTTCAACGTTGGGCAACAAGCAGACAGATCCCCATCGCTACGGCCGGTGTCTGTGA
 CCCCGGTGCCATCGCATGGCAGGAATGCCGTCCCCTCACCTGCCCTCAGAGCACTCGAGCGTGTCCAGC
 AGCCCAGAGCCCGGGATGCCCGTATTACAGGACTTACGGCGTGAAGGGAGAGGAGCCTCACATCAAGG
 AAGAAATCCAGGCTGAGGACATCAACGGAGAGATTTATGAGGAGTACGAGGAGGAGGAGGACCCCGA
 CGTCGACTATGGGAGTGACAGCGAAAACCATATTGCAGGACAAGCCAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271267
Insert Size: 2292 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_001271267.1, NP_001258196.1</u>
RefSeq Size:	2815 bp
RefSeq ORF:	2292 bp
Locus ID:	140587
UniProt ID:	<u>F1M8W4</u>
Cytogenetics:	4q44
Gene Summary:	mouse homolog is a DNA binding protein; involved in notochord extracellular matrix sheath formation and notochord cell survival [RGD, Feb 2006]