

Product datasheet for **MC217147**

Sox9 (NM_011448) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox9 (NM_011448) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sox9
Synonyms:	2010306G03Rik; AV220920; mKIAA4243
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217147 representing NM_011448
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATCTCTGGACCCCTTCATGAAGATGACCGACGAGCAGGAGAAGGGCTGTCTGGCGCCCCAGCC
 CCACCATGTCGGAGGACTCGGCTGGTTCGCCCTGTCCCTCGGGCTCCGGCTCGGACACGGAGAACACCCG
 GCCCAGGAGAACACCTTCCCAAGGGCGAGCCGGATCTGAAGAAGGAGAGCGAGGAAGATAAGTTCCTCC
 GTGTGCATCCGCGAGGCGGTGAGCCAGGTGCTGAAGGGCTACGACTGGACGCTGGTGCCCATGCCCGTGC
 GCGTCAACGGCTCCAGCAAGAACAAGCCACACGTCAAGCGACCCATGAACGCCTTCATGGTGTGGGCGCA
 GGCTGCGCGCAGGAAGCTGGCAGACCAGTACCCGCATCTGCACAACCGGGAGCTCAGCAAGACTCTGGG
 AAGCTCTGGAGGCTGCTGAACGAGAGCGAGAAGAGACCCTTCGTGGAGGAGGCGGAGCGGCTGCGCGTGC
 AGCACAAGAAAGACCACCCCGATTACAAGTACCAGCCCCGGCGGAGGAAGTCGGTGAAGAACGGACAAGC
 GGAGGCCGAAGAGGCCACGGAACAGACTCACATCTCTCCTAATGCTATCTCAAGGCGCTGCAAGCCGAC
 TCCCCACATTCTCTCCGGCATGAGTGAGGTGCACTCCCCGGCGAGCACTCTGGGCAATCTCAGGGTC
 CGCCGACCCACCCACCACTCCCAAAACCGACGTGCAAGCTGGCAAAGTTGATCTGAAGCGAGAGGGGCG
 CCCTCTGGCAGAGGGGGGAGACAGCCCCCATCGACTTCCGCGACGTGGACATCGGTGAAGTGAAGCAGC
 GACGTCATCTCCAACATTGAGACCTTCGACGTCAATGAGTTTGACCAATACTTGCCACCCAAACGGCCACC
 CAGGGGTTCCGGCCACCCACGGCCAGGTACCTACACTGGCAGTTACGGCATCAGCAGCACCCGACCCAC
 CCCTGCGACCGCGGGCCACGTGTGGATGTGAAGCAGCAGGCGCCGCCCTCCTCCGCAGCAGCCTCCG
 CAGGCCCGCAAGCCCCACAGGCGCCTCCGCAGCAGCAAGCACCCCGCAGCAGCCGAGGACCCACAGC
 AGCAGCAGGCACACCGCTCACACGCTGAGCAGCGAGCCAGGCCAGTCCAGCGCAACGCACATCAAGC
 GGAGCAGCTGAGCCCCAGCCACTACAGCGAGCAGCAGCACTCCCCGCAACAGATCTCCTACAGCCCC
 TTAACCTTCTCACTACAGCCCTCCTACCCGCCATCACCCGCTCGCAATACGACTACGCTGACCATC
 AGAACTCCGGCTCCTACTACAGTCACGCAGCCGGCCAGGGCTCAGGGCTACTCCACCTTCACTTACAT
 GAACCCCGCGCAGCGCCCATGTACACCCCATCGCTGACACCTCCGGGGTCCCTTCCATCCCGCAGACC
 CACAGCCCGCAGCACTGGGAACAACCAGTCTACACACAGCTCACAGACCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_011448

Insert Size: 1524 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_011448.4</u> , <u>NP_035578.3</u>
RefSeq Size:	4146 bp
RefSeq ORF:	1524 bp
Locus ID:	20682
UniProt ID:	<u>Q04887</u>
Cytogenetics:	11 77.27 cM
Gene Summary:	Transcriptional regulator that plays a role in chondrocytes differentiation and skeletal development (PubMed:20940257, PubMed:28263186). Binds to the COL2A1 promoter and activates COL2A1 expression, as part of a complex with ZNF219 (PubMed:20940257). [UniProtKB/Swiss-Prot Function]