Product datasheet for SC321884

SOX9 (NM_000346) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SOX9 (NM_000346) Human Untagged Clone
Tag: Tag Free
Symbol: SOX9
Synonyms: CMD1; CMPD1; SRA1; SRXX2; SRXY10
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF:

> OriGene sequence for NM_000346.2

ATCGTCGACCCACGCGTCCGAAGCGGAGCTCGAAACTGACTGGAAACTTCAGTGGCGCGG

AGACTCGCCAGTCTTCTACCCCTCTCGTTTTGCTACGAGATTCTGCTGAATCAGCAGCGCT

ACCTTTTCTTCCTCCTTACTCTGCTACGAGATTCTGCTGAATCAGCAGCGCCTCA

ATGCTCGAGAGTTATCCCGAGGAGTTACTGCTCAAAAGGAGGTTCGCTGCTCA

CCCACACCGAGATCCGAGGATCCGAGGATCCGAGGATCCGAGGATCCGAGGATCCGAGG

AGGGGCGACGCGCGACGCGCGACGCGCGACGCGCGACGCGCGACGCGCGACGCGCGACGCGCGACGCGCGACGCGCGACG

Restriction Sites:

Please inquire

ACCN:

NM_000346

Insert Size:

2600 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

OTI Annotation: no
RefSeq: NM_000346.2, NP_000337.1
RefSeq Size: 3935 bp
RefSeq ORF: 1530 bp
Locus ID: 6662
Domains: HMG
Protein Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

Gene Summary: The protein encoded by this gene recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal. [provided by RefSeq, Jul 2008]