

Recombinant Human SOX9

Cat. No. SOX9-30694TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SOX9 fused to a proprietary tag, predicted MWt 43kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	150 amino acids
Description	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.
Molecular Weight	43.000kDa inclusive of tags
Form	Liquid
Storage buffer	pH: 7.50Constituents:0.03% EDTA, 20% Glycerol, 0.91% Tris acetate
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.
Sequence	Contains 1 HMG box DNA-binding domain.

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Similarities

GENE INFORMATION

Gene Name	SOX9 SRY (sex determining region Y)-box 9 [Homo sapiens]
Official Symbol	SOX9
Synonyms	SOX9; SRY (sex determining region Y)-box 9; campomelic dysplasia, autosomal sex reversal , CMD1, CMPD1; transcription factor SOX-9; SRA1;
Gene ID	6662
mRNA Refseq	NM_000346
Protein Refseq	NP_000337
MIM	608160
Uniprot ID	P48436
Chromosome Location	17q23
Pathway	Endochondral Ossification, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; beta-catenin binding; chromatin binding; core promoter sequence-specific DNA binding; enhancer bi;

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