

Recombinant Human SOX9

Cat. No. SOX9-30696TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-150 of Human SOX9 with proprietary tag, 150 amino acids, 43kDa.
Species	Human
Source	E.coli
ProteinLength	1-150 a.a.
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.
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Contains 1 HMG box DNA-binding domain.

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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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