

Recombinant Human SOX9 293 Cell Lysate

Cat. No. SOX9-1555HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for SRY (sex determining region Y)-box 9 (SOX9) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; SRY-related HMG-box, gene 9; SRY (sex-determining region Y)-box 9 protein; CMD1; CMPD1;

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

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transcription factor activity involved in positive regulation of transcription; beta-catenin binding; chromatin binding; core promoter sequence-specific DNA binding; enhancer binding; enhancer sequence-specific DNA binding; protein binding; protein kinase A catalytic subunit binding; protein kinase activity; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity;

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