

Recombinant Human SOX4 293 Cell Lysate

Cat. No. SOX4-1559HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for SRY (sex determining region Y)-box 4 (SOX4) 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

SOX4 SRY (sex determining region Y)-box 4 [Homo sapiens]

Official Symbol

SOX4

Synonyms

SOX4; SRY (sex determining region Y)-box 4; transcription factor SOX-4; SRY-related HMG-box gene 4; ecotropic viral integration site 16; EVI16;

Gene ID

6659

mRNA Refseq

NM_003107

Protein Refseq

NP_003098

MIM

184430

UniProt ID

Q06945

Chromosome Location

6p22.3

Pathway

IL-5 Signaling Pathway, organism-specific biosystem;

Function

DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II transcription coactivator activity; core promoter sequence-specific

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DNA binding; nucleic acid binding transcription factor activity; protein binding;
sequence-specific DNA binding transcription factor activity; transcription regulatory
region sequence-specific DNA binding;

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