

Recombinant Human SOX13 293 Cell Lysate

Cat. No. SOX13-1563HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for SRY (sex determining region Y)-box 13 (SOX13) 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

SOX13 SRY (sex determining region Y)-box 13 [Homo sapiens]

Official Symbol

SOX13

Synonyms

SOX13; SRY (sex determining region Y)-box 13; transcription factor SOX-13; ICA12; islet cell 12; MGC117216; Sox 13; SRY box 13; SRY related HMG box gene 13; type 1 diabetes autoantigen; SRY-box 13; islet cell antigen 12; SRY-related HMG-box gene 13; type 1 diabetes autoantigen ICA12; Sox-13;

Gene ID

9580

mRNA Refseq

NM_005686

Protein Refseq

NP_005677

MIM

604748

UniProt ID

Q9UN79

Chromosome Location

1q32

Function

protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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