

Recombinant Human SOX12 cell lysate

Cat. No. SOX12-1671HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Members of the SOX family of transcription factors are characterized by the presence of a DNA-binding high mobility group (HMG) domain, homologous to the HMG box of sex-determining region Y (SRY). Forming a subgroup of the HMG domain superfamily, SOX proteins have been implicated in cell fate decisions in a diverse range of developmental processes. SOX transcription factors have diverse tissue-specific expression patterns during early development and have been proposed to act as target-specific transcription factors and/or as chromatin structure regulatory elements. The protein encoded by this gene was identified as a SOX family member based on conserved domains and its expression in various tissues suggests a role in both differentiation and maintenance of several cell types.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SOX12 SRY (sex determining region Y)-box 12 [Homo sapiens]
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Official Symbol	SOX12
Synonyms	SOX12; SRY (sex determining region Y)-box 12; SOX22, SRY (sex determining region Y) box 22; transcription factor SOX-12; SOX-22 protein; SRY-related HMG-box gene 22; SRY (sex determining region Y)-box 22; SOX22;
Gene ID	6666
mRNA Refseq	NM_006943
Protein Refseq	NP_008874
MIM	601947
UniProt ID	O15370
Chromosome Location	20p13
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; transcription regulatory region sequence-specific DNA binding;

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