

## Recombinant Human SOX12 cell lysate

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

### SPECIFICATION

**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 ]

**Official Symbol**

SOX12

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<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">6666</a>
<b>mRNA Refseq</b>	<a href="#">NM_006943</a>
<b>Protein Refseq</b>	<a href="#">NP_008874</a>
<b>MIM</b>	<a href="#">601947</a>
<b>UniProt ID</b>	<a href="#">O15370</a>
<b>Chromosome Location</b>	20p13
<b>Function</b>	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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