

# Recombinant Human SOX2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SOX2-3881H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	SOX2 MS Standard C13 and N15-labeled recombinant protein (NP_003097) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT).
<b>Molecular Mass</b>	34.3 kDa
<b>AA Sequence</b>	MYNMMETELKPPGPQQTSGGGGGNSTAAAAGGNQKNSPDRVKRPMNAFMVWSR GQRRKMAQENPKMHNSEISKRLGAEWKLLSETEKRPFIDEAKRLRALHMKEHPDYK YRPRRKTTLMKKDKYTLPGGLLAPGGNSMASGVGVGAGLGAGVNRMDSYAHM NGWSNGSYSMMQDQLGYPQHPLNAHGAAQMMPMHRYDVSALQYNSMTSSQTY MNGSPTYSMSYSQQGTPGMALGSMGSVVKSEASSPPVVTSSSHSRAPCQAGDL

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RDMISMYLPGAEVPEPAAPSRLHMSQHYQSGPVPGTAINGTLPLSHMTRTRPLEQK  
LISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** SOX2 SRY-box transcription factor 2 [ Homo sapiens (human) ]

**Official Symbol** SOX2

**Synonyms** SOX2; SRY-box transcription factor 2; transcription factor SOX-2; transcription factor SOX2; SRY-related HMG-box gene 2; ANOP3; MCOPS3; MGC2413;

**Gene ID** 6657

**mRNA Refseq** NM\_003106

**Protein Refseq** NP\_003097

**MIM** 184429

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UniProt ID

P48431

SDS-PAGE



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