

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

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

SPECIFICATION

Product Overview	SOX2 MS Standard C13 and N15-labeled recombinant protein (NP_003097) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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).
Molecular Mass	34.3 kDa
AA Sequence	MYNMMETELKPPGPQQTSGGGGGNSTAAAAGGNQKNSPDRVKRPMNAFMVWSR GQRRKMAQENPKMHNSEISKRLGAEWKLLSETEKRPFIDEAKRLRALHMKHEHPDYK YRPRRKTKTLMKKDKYTLPGGLLAPGGNSMASGVGVGAGLGAGVNQRMDSYAHM NGWSNGSYSMMQDQLGYQPQHPGLNAHGAAQMQPMHRYDVSALQYNSMTSSQTY MNGSPTYSMSYSQQGTPGMALGSMGSVVKSEASSPPVVTSSSHSRAPCQAGDL

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	RDMISMYLPGAIEVPEPAAPSRLHMSQHYQSGPVPGTAINGTLP LSHMTRTRPLEQK 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

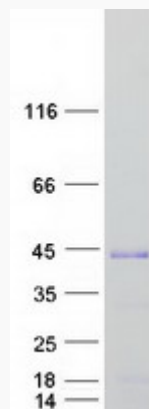
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UniProt ID

P48431

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