

Recombinant Human SOX4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SOX4-931H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SOX4 MS Standard C13 and N15-labeled recombinant protein (NP_003098) 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 SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins, such as syndecan binding protein (syntenin). The protein may function in the apoptosis pathway leading to cell death as well as to tumorigenesis and may mediate downstream effects of parathyroid hormone (PTH) and PTH-related protein (PTHrP) in bone development. The solution structure has been resolved for the HMG-box of a similar mouse protein.
Molecular Mass	47.3 kDa
AA Sequence	MVQQTNNAENTEALLAGESSDSGAGLELGIASSPTPGSTASTGGKADDPWCKTPS GHIKRP MN AF MV V S Q I E R R K I M E Q S P D M H N A E I S K R L G K R W K L L K D S D K I P F I R E A E R L R L K H M A D Y P D Y K Y R P R K K V K S G N A N S S S S A A A S S K P G E K G D K V G G S G G G G H G G G G G G S S N A G G G G G G A S G G G A N S K P A Q K K S C G S K V A G G A G G G V S K P H A K L I L A G G G G G G K A A A A A A S F A A E Q A G A A A L L P L G A A A D H H S L Y K A R T P S A S A S A S A A

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SASAALAAPGKHLAEKKVKRVYLFGGGLTSSSPVGGVGAGADPSDPLGLYEEEGA
 GCSPDAPSLSGRSSAASSPAAGRSPADHRGYASLRAASPAPSSAPSHASSSSASSH
 SSSSSSSGSSSSDDEFEDDLLDLNPSSNFESMSLGSFSSSSALDRDLDFNFEPGSG
 SHFEFPDYCTPEVSEMISGDWLESSISNLVFTYSGPTRTRTRPLEQKLISEEDLAANDIL
 DYKDDDDKV

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 SOX4 SRY-box transcription factor 4 [Homo sapiens (human)]

Official Symbol SOX4

Synonyms SOX4; SRY (sex determining region Y)-box 4; transcription factor SOX-4; SRY-related HMG-box gene 4; ecotropic viral integration site 16; EVI16;

Gene ID 6659

mRNA Refseq NM_003107

Protein Refseq NP_003098

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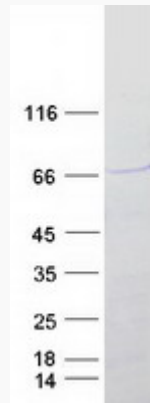
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SDS-PAGE



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