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	MVQQTNNAENTEALLAGESSDSGAGLELGIASSPTPGSTASTGGKADDPSWCKTPS GHIKRPMNAFMVWSQIERRKIMEQSPDMHNAEISKRLGKRWKLLKDSDKIPFIREAE RLRLKHMADYPDYKYRPRKKVKSGNANSSSSAAASSKPGEKGDKVGGSGGGGHG GGGGGGSSNAGGGGGGASGGGANSKPAQKKSCGSKVAGGAGGGVSKPHAKLIL AGGGGGGKAAAAAAASFAAEQAGAAALLPLGAAADHHSLYKARTPSASASASSAA

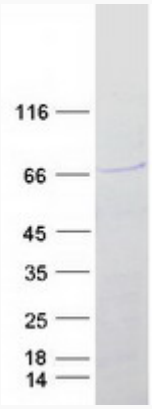
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	SASAALAAPGKHLAEKKVKRVYLFGGLGTSSSPVGGVGAGADPSDPLGLYEEEGA GCSPDAPSLSGRSSAASSPAAGRSPADHRGYASLRAASPAPSSAPSHASSSASSH SSSSSSSGSSSSDDEFEDDLLDLNPSSNFESMSLGSFSSSSALDRDLDFNFEPGSG SHFEFPDYCTPEVSEMISGDWLESSISNLVFTYSGPTRTRPLEQKLISEEDLAANDIL DYKDDDDKV
Purity	> 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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MIM	184430
UniProt ID	Q06945
SDS-PAGE	

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