Recombinant Human SOX6 Protein, His-tagged

Cat. No. SOX6-2721H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SOX6 Protein (Met1-Pro269) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro269
Description	This gene encodes a member of the D subfamily of sex determining region y-related transcription factors that are characterized by a conserved DNA-binding domain termed the high mobility group box and by their ability to bind the minor groove of DNA. The encoded protein is a transcriptional activator that is required for normal development of the central nervous system, chondrogenesis and maintenance of cardiac and skeletal muscle cells. The encoded protein interacts with other family members to cooperatively activate gene expression. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.4 kDa Accurate Molecular Mass: 38 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	SOX6 SRY (sex determining region Y)-box 6 [Homo sapiens (human)]
Official Symbol	SOX6
Synonyms	SOX6; SRY (sex determining region Y)-box 6; transcription factor SOX-6; SRY-box containing gene 6; SOXD; HSSOX6;
Gene ID	55553
mRNA Refseq	NM_001145811
Protein Refseq	NP_001139283

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MIM	607257
UniProt ID	P35712

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