

Recombinant Human SOX5 Protein, His-tagged

Cat. No. SOX5-2720H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SOX5 Protein (Met1-Pro284) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro284
Description	This 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. The encoded protein may play a role in chondrogenesis. A pseudogene of this gene is located on chromosome 8. Multiple transcript variants encoding distinct isoforms have been identified for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.6 kDa Accurate Molecular Mass: 33 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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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	SOX5 SRY (sex determining region Y)-box 5 [Homo sapiens (human)]
Official Symbol	SOX5
Synonyms	SOX5; SRY (sex determining region Y)-box 5; transcription factor SOX-5; L SOX5; MGC35153; L-SOX5;
Gene ID	6660
mRNA Refseq	NM_006940
Protein Refseq	NP_008871
MIM	604975

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