

Recombinant Human SP7 Protein, His-tagged

Cat. No. SP7-2723H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SP7 Protein (Met19-Leu288) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met19-Leu288
Description	This gene encodes a member of the Sp subfamily of Sp/XKLF transcription factors. Sp family proteins are sequence-specific DNA-binding proteins characterized by an amino-terminal trans-activation domain and three carboxy-terminal zinc finger motifs. This protein is a bone specific transcription factor and is required for osteoblast differentiation and bone formation.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 3.8 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	SP7 Sp7 transcription factor [Homo sapiens (human)]
Official Symbol	SP7
Synonyms	SP7; Sp7 transcription factor; transcription factor Sp7; osterix; OSX; zinc finger protein osterix; OI11; OI12; MGC126598;
Gene ID	121340
mRNA Refseq	NM_001173467
Protein Refseq	NP_001166938
MIM	606633
UniProt ID	Q8TDD2

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