

Recombinant Human SP1 Protein, His-tagged

Cat. No. SP1-113H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SP1 Protein, fused to His-tag, was expressed in E.coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a zinc finger transcription factor that binds to GC-rich motifs of many promoters. The encoded protein is involved in many cellular processes, including cell differentiation, cell growth, apoptosis, immune responses, response to DNA damage, and chromatin remodeling. Post-translational modifications such as phosphorylation, acetylation, glycosylation, and proteolytic processing significantly affect the activity of this protein, which can be an activator or a repressor. Three transcript variants encoding different isoforms have been found for this gene.
Form	Supplied as a 0.2 µm filtered solution in 30mM Tris, 300mM NaCl, pH8.0.
Molecular Mass	~18.9 kDa
AA Sequence	MGSSHHHHHSSGLVPRGSHMASMTGGQQMGRAHLRWHTGERPFMCTW SYCG KRFRS DELQRHKRTH TGEKKFACPE CPKRFMRS DHLSKHIKTHQN KKGPGVA LS VGTLP L DSGA GSEGS GTATP SALITTNMVA MEAICPEGIA RLANS GINVM QVA DLQSILEHHHHH
Purity	>90%

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Storage

Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration

0.17 mg/ml

GENE INFORMATION**Gene Name**

SP1 Sp1 transcription factor [Homo sapiens (human)]

Official Symbol

SP1

Gene ID

6667

mRNA Refseq

NM_001251825

Protein Refseq

NP_001238754

MIM

189906

UniProt ID

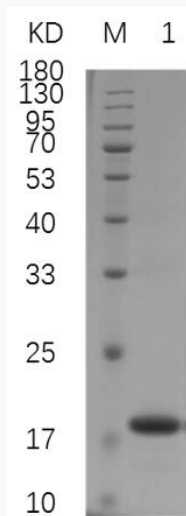
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SDS-PAGE



12% reducing SDS-PAGE analysis of purified sp1 (approximately 4 mg protein loaded).

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