

Recombinant Human Sp1 Transcription Factor

Cat. No. SP1-590H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SP1 protein was expressed in <i>Sf9 insect cells</i> .
Species	Human
Source	Sf9 Cells
Description	SP1 belongs to the family of zinc finger DNA binding proteins in mammalian cells. This protein mediates transcriptional activity through specific DNA sequences that are found in a number of viral and cellular gene promoters. SP1 has been shown to associate with other mammalian gene coactivator proteins to regulate gene transcription.
Formulation	15 ug of recombinant SP1 protein in 5uM ZnSO ₄ , 50 mM KCl, 2mM DTT, 12 mM HEPES-KOH (pH 7.5), 6 mM MgCl ₂ , 0.1% NP40 and 50% glycerol.
Applications	Useful for the stimulation of LSD1 enzyme activity.
Storage	Store at -70° C. Avoid multiple freeze/thaw cycles.
Pathways	Huntington"s disease; TGF-beta signaling pathway

GENE INFORMATION

Gene Name	SP1 Sp1 transcription factor [Homo sapiens]
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Synonyms	SP1; Sp1 transcription factor; Sp1 transcription factor; specificity protein 1; TSFP1; Transcription factor Sp1
Gene ID	6667
mRNA Refseq	NM_003109
Protein Refseq	NP_003100
MIM	189906
UniProt ID	P08047
Chromosome Location	12q13.1
Function	DNA binding; RNA polymerase II transcription factor activity; double-stranded DNA binding; histone deacetylase binding; metal ion binding; promoter binding; protein C-terminus binding; protein homodimerization activity; transcription activator activity; transcription factor activity; zinc ion binding
PDB rendering based on 1sp1	