Recombinant Human SP1

Cat. No. SP1-30608TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human SP1 with proprietary tag.
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.
Tissue specificity	Up-regulated in adenocarcinomas of the stomach (at protein level).
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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	cycles.
Sequence Similarities	Belongs to the Sp1 C2H2-type zinc-finger protein family.Contains 3 C2H2-type zinc fingers.
Full Length	Full L.

GENE INFORMATION

Gene Name	SP1 Sp1 transcription factor [Homo sapiens]
Official Symbol	SP1
Synonyms	SP1; Sp1 transcription factor; transcription factor Sp1; specificity protein 1;
Gene ID	6667
mRNA Refseq	NM_001251825
Protein Refseq	NP_001238754
MIM	189906
Uniprot ID	P08047
Chromosome Location	12q13.1
Pathway	Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem;

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Function	DNA binding; HMG box domain binding; double-stranded DNA binding; enhancer binding; histone acetyltransferase binding;

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