

Recombinant Full Length Human SP1 Protein, N-His-tagged

Cat. No. SP1-98HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SP1 Protein, fused to His-tag at N-terminus, 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	50mM Tris, 8M Urea, pH8.0.
Molecular Mass	80.5 kDa
AA Sequence	A DNA sequence encoding human full-length SP1.
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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	handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors
Protein Pathways	Huntington's disease, TGF-beta signaling pathway
Full Length	Full L.

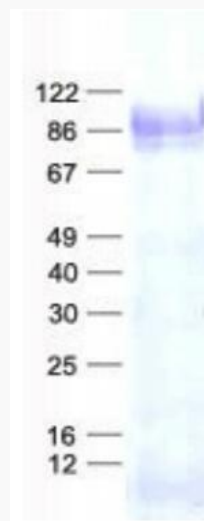
GENE INFORMATION

Gene Name	SP1 Sp1 transcription factor [Homo sapiens (human)]
Official Symbol	SP1
Synonyms	Sp1 transcription factor; specificity protein 1
Gene ID	6667
mRNA Refseq	NM_138473.3
Protein Refseq	NP_612482.2
MIM	189906
UniProt ID	P08047

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SDS-PAGE

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