

Recombinant Human SP3

Cat. No. SP3-31436TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SP3 with N-terminal proprietary tag. Mol Wt 36.63 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene belongs to a family of Sp1 related genes that encode transcription factors that regulate transcription by binding to consensus GC- and GT-box regulatory elements in target genes. This protein contains a zinc finger DNA-binding domain and several transactivation domains, and has been reported to function as a bifunctional transcription factor that either stimulates or represses the transcription of numerous genes. Transcript variants encoding different isoforms have been described for this gene, and one has been reported to initiate translation from a non-AUG (AUA) start codon. Additional isoforms, resulting from the use of alternate downstream translation initiation sites, have also been noted. A related pseudogene has been identified on chromosome 13.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Ubiquitously expressed.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GQLPNLQTVTVNSIDSAGIQLHPGENADSPADIRIKEEPPDPEEWQLSGDSTLNTND LTHLRVQVVDEEGDQQHQEGKRLRRVACTCPNCKEGGGRGTNL
Sequence Similarities	Belongs to the Sp1 C2H2-type zinc-finger protein family.Contains 3 C2H2-type zinc fingers.

GENE INFORMATION

Gene Name	SP3 Sp3 transcription factor [Homo sapiens]
Official Symbol	SP3
Synonyms	SP3; Sp3 transcription factor; transcription factor Sp3; SPR 2;
Gene ID	6670
mRNA Refseq	NM_001017371
Protein Refseq	NP_001017371
MIM	601804
Uniprot ID	Q02447

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Chromosome Location	2q31
Pathway	Regulation of Telomerase, organism-specific biosystem; Selenium Metabolism and Selenoproteins, organism-specific biosystem;
Function	DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; chromatin binding; double-stranded DNA binding; metal ion binding;

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