

Recombinant Human SP2

Cat. No. SP2-31434TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SP2 transcription factor with N terminal proprietary tag; Predicted MW 53.46 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	249 amino acids
Description	This gene encodes a member of the Sp subfamily of Sp/XKLF transcription factors. Sp family proteins are sequence-specific DNA-binding proteins characterized by an amino-terminal trans-activation domain and three carboxy-terminal zinc finger motifs. This protein contains the least conserved DNA-binding domain within the Sp subfamily of proteins, and its DNA sequence specificity differs from the other Sp proteins. It localizes primarily within subnuclear foci associated with the nuclear matrix, and can activate or in some cases repress expression from different promoters.
Molecular Weight	53.460kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAATAAVSPSDYLQPAASTTQDSQPSPLALLAATCSKIGP PAVEAAVTPPAPPQPTP RKLVPPIKPAPLPLSPGKNSFGIL SSKGNILQIQGSQLSASYPGGQLVFAIQNPTMINK GTRSN ANIQYQAVPQIQASNSQTIQVQPNLTNQIQIIPGTNQAI TPSPSSHKPVPIKP APIQKSSTTTTPVQSGANVVKLTGGG GNVTLTLPVNNLVNASDTGAPTQLLTASCQ TGMLNSTRMF LFLAFINVL
Sequence Similarities	Belongs to the Sp1 C2H2-type zinc-finger protein family.Contains 3 C2H2-type zinc fingers.

GENE INFORMATION

Gene Name	SP2 Sp2 transcription factor [Homo sapiens]
Official Symbol	SP2
Synonyms	SP2; Sp2 transcription factor; transcription factor Sp2; KIAA0048;
Gene ID	6668
mRNA Refseq	NM_003110
Protein Refseq	NP_003101
MIM	601801
Uniprot ID	Q02086
Chromosome	17q21.3-q22

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Location**Function**

DNA binding; histone deacetylase binding; metal ion binding; zinc ion binding;

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