

Recombinant Full Length Human SP3 Protein, GST-tagged

Cat. No. SP3-647HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SP3(1 a.a. - 781 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	781 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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	112.4 kDa
AA Sequence	MTAPEKPVKQ EEMAALDVDS GGGGGGGGGH GEYLQQQQQH GNGAVAAAAA

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AQDTQPSPLA LLAATCSKIG PPSPGDDEEE AAAAAGAPAA AGATGDLASA
 QLGGAPNRWE VLSATPTTIK DEAGNLVQIP SAATSSGQYV LPLQNLQNQQ
 IFSVAPGSDS SNGTVSSVQY QVIPQIQSAD GQQVQIGFTG SSDNGGINQE
 SSQIQIIPGS NQTLASGTP SANIQNLIPQ TGQVQVQGVA IGGSSFPGQT
 QVVANVPLGL PGNITFVPIN SVDLDSLGLS GSSQTMTAGI NADGHLINTG
 QAMDSSDNSE RTGERVSPDI NETNTDSDLF VPTSSSSQLP VTIDSTGILQ
 QNTNSLTSS GQVHSSDLQG NYIQSPVSEE TQAQNIQVST AQPVVQHLQL
 QESQQPTSQA QIVQGITPQT IHGVQASGQN ISQQALQNLQ LQLNPGTFLI
 QAQTVTPSGQ VTWQTFQVQG VQNLQNLQIQ NTAAQQITLT PVQTLTLGQV
 AAGGAFTSTP VSLSTGQLPN LQTVTVNSID SAGIQLHPGE NADSPADIRI
 KEEEPDPEEW QLSGDSTLNT NDLTHLRVQV VDEEGDQQHQ EGKRLRRVAC
 TCPNCKEGGG RGTNLGKKKQ HICHIPGCGK VYGKTSHLRA HLRWHSGERP
 FVCNWMYCGK RFTRSDELQR HRRHTTGEKK FVCPECSKRF MRSDHLAKHI
 KTHQNKKGIIH SSSTVLASVE AARDDTLITA GGTTLILANI QQGSVSGIGT
 VNTSATSNDQ ILTNTEIPLQ LVTVSGNETM E

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION
Gene Name

SP3 Sp3 transcription factor [Homo sapiens]

Official Symbol

SP3

Synonyms

SP3; Sp3 transcription factor; transcription factor Sp3; SPR 2; specificity protein 3;
 GC-binding transcription factor Sp3; SPR2; DKFZp686O1631

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Gene ID	6670
mRNA Refseq	NM_001017371
Protein Refseq	NP_001017371
MIM	601804
UniProt ID	Q02447

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