

# Recombinant Human SP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SP3-5127H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SP3 MS Standard C13 and N15-labeled recombinant protein (NP_003102) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 81.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MTAPEKPVKQEEMAALDVDSGGGGGGGGGHGEYLQQQQQHNGAVAAAAAAQD<br>TQPSPLALLAATCSKIGPPSPGDDEEEAAAAAGAPAAAGATGDLASAQLGGAPNRW<br>EVLSATPTTIKDEAGNLVQIPSAATSSGQYVLPLQNLQNQQIFSVAPGSDSSNGAVS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

SVQYQVIPQIQSADGQQVQIGFTGSSDNGGINQESSQIQIIPGSNQTLASGTPSANI  
 QNLIPQTGGVQVQVQVAIGGSSFPQTQVVANVPLGLPGNITFVPINSVDLDSLGLSG  
 SSQTMTAGINADGHLINTGQAMDSSDINSERTGERVSPDINETNTDLDLFDVPTSSSSQ  
 LPVTIDSTGILQQNTNSLTSSGQVHSSDLQGNYIQSPVSEETQAQNIQVSTAQPVV  
 QHLQLQESQQPTSQAQIVQGITPQTIHGVQASGQNISQQALQNLQLQNPQTFLIQA  
 QTVTPSGQVTWQTFQVQGVQNLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTS  
 TPVSLSTGQLPNLQTVTVNSIDSAGIQLHPGENADSPADIRIKEEEDPPEEWQLSGD  
 STLNTNDLTHLRVQVVDEEGDQQHQEGKRLRRVACTCPNCKEGGGRGTNLGKKK  
 QHICHIPGCGKVYGKTSHLRAHLRWHSGERPFVCNWMYCGKRFRSDELQRHRRT  
 HTGEKKFVCPECKRFRMRSDHLAKHIKTHQNKKGIIHSSSTVLASVEAARDDTLITAG  
 GTTLILANIQQGSVSGIGTVNTSATSNDILTNTIPLQLVTVSGNETMETRTRPLEQK  
 LISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** SP3 Sp3 transcription factor [ Homo sapiens (human) ]

**Official Symbol** SP3

**Synonyms** SP3; Sp3 transcription factor; transcription factor Sp3; SPR 2; specificity protein 3;

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GC-binding transcription factor Sp3; SPR2; DKFZp686O1631;

**Gene ID** 6670

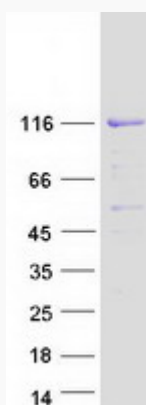
**mRNA Refseq** NM\_003111

**Protein Refseq** NP\_003102

**MIM** 601804

**UniProt ID** Q02447

**SDS-PAGE**



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