

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

**Cat. No.** SSPN-5597H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | SSPN MS Standard C13 and N15-labeled recombinant protein (NP_005077) 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 encodes a member of the dystrophin-glycoprotein complex (DGC). The DGC spans the sarcolemma and is comprised of dystrophin, syntrophin, alpha- and beta-dystroglycans and sarcoglycans. The DGC provides a structural link between the subsarcolemmal cytoskeleton and the extracellular matrix of muscle cells. Two alternatively spliced transcript variants that encode different protein isoforms have been described. |
| <b>Molecular Mass</b>   | 26.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MGKNKQPRGQQRQGGPPAADAAGPDDMEPKKGTGAPKECGEEEPRTCCGCRFP<br>LLLALLQLALGIAVTVVGFLMASISSLLVRDTPFWAGIIVCLVAYLGLFMLCVSYQVD<br>ERTCIQFSMKLLYFLLSALGLTVCVLAVAFAAHHYSQLTQFTCETTLDSCQCKLPSS<br>PLSRTFVYRDVTDCTSVTGTFKLFLLIQMILNLVCGLVCLLACFVMWKHRYQVFYVG<br>VRICSLTASEGPQQKITRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                     |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                          |

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| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                        |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                       |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                                                     |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>        | SSPN sarcospan [ Homo sapiens (human) ]                                                                                                                                                                                                           |
| <b>Official Symbol</b>  | SSPN                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | SSPN; sarcospan; KRAG, Kras oncogene associated gene; SPN1; SPN2; nanospan; microspan; Kras oncogene-associated; kirsten-ras-associated protein; K-ras oncogene-associated protein; sarcospan (Kras oncogene-associated gene); KRAG; NSPN; DAGA5; |
| <b>Gene ID</b>          | 8082                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_005086                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>   | NP_005077                                                                                                                                                                                                                                         |
| <b>MIM</b>              | 601599                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>       | Q14714                                                                                                                                                                                                                                            |