

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

Cat. No. SPN-6532H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPN MS Standard C13 and N15-labeled recombinant protein (NP_003114) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a highly sialylated glycoprotein that functions in antigen-specific activation of T cells, and is found on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. It contains a mucin-like extracellular domain, a transmembrane region and a carboxy-terminal intracellular region. The extracellular domain has a high proportion of serine and threonine residues, allowing extensive O-glycosylation, and has one potential N-glycosylation site, while the carboxy-terminal region has potential phosphorylation sites that may mediate transduction of activation signals. Different glycoforms of this protein have been described. In stimulated immune cells, proteolytic cleavage of the extracellular domain occurs in some cell types, releasing a soluble extracellular fragment. Defects in expression of this gene are associated with Wiskott-Aldrich syndrome.
Molecular Mass	40.3 kDa
AA Sequence	MATLLLLLGVLLVSPDALGSTTAVQTPTSGEPLVSTSEPLSSKMYTTSITSDPKADST GDQTSALPPSTSINEGSPLWTSIGASTGSPLPEPTYQEVSIMSSVPQETPHATSH

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PAVPITANSLGSHTVTGGTITTNSPETSSRTSGAPVTTAASSLETSGPPLTMAT
 VSLETSGKGTSGPPVTMATDSLETSTGTTGPPVTMTTGSLEPSSGASGPQVSSVKLS
 TMMSPTTSTNASTVPFRNPDENSRGMLPVAVLVALLAVIVLVALLLWRRRQKRRTG
 ALVLSRGGKRNGVVDAGWPAQVPEEGAVTVTVGGSGGDKGSGFPDGEKSSRRP
 TLTTFFGRRKSRQGLAMEELKSGSGPSLKGEEELVASEDGAVDAPAPDEPEGG
 DGAAPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 SPN sialophorin [*Homo sapiens* (human)]

Official Symbol SPN

Synonyms SPN; sialophorin; sialophorin (gpL115, leukosialin, CD43); leukosialin; CD43; GPL115; LSN; GALGP; galactoglycoprotein; leukocyte sialoglycoprotein; sialophorin (leukosialin, CD43);

Gene ID 6693

mRNA Refseq NM_003123

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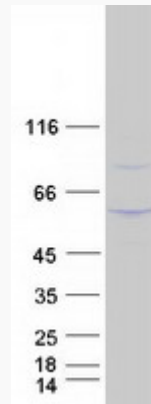
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Protein Refseq NP_003114

MIM 182160

UniProt ID P16150

SDS-PAGE



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