

Recombinant Human SPN, His-tagged

Cat. No. SPN-2310H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SPN protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	257aa
Description	SPN is a major sialoglycoprotein found on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. It may be part of a physiologic ligand-receptor complex involved in T-cell activation. During T-cell activation, this protein is actively removed from the T-cell-APC (antigen-presenting cell) contact site, suggesting a negative regulatory role in adaptive immune response.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	25.8kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSTTAVQT PTSGEPLVST SEPLSSKMYT TSITSDPKAD STGDQTSALP PSTSINEGSP LWTSIGASTGSPLPEPTYQ EVSIMSSVP QETPHATSHP AVPITANSLG SHTVTGGTIT TNSPETSRT SGAPVTTAAS SLETSRGTSG PPLTMATVSLETSKGTSGPP VTMATDSLET STGTTGPPVT MTTGSLEPSS GASGPQVSSV KLSTMMSPTT STNASTVPFR

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	NPDENSR
Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml

GENE INFORMATION

Gene Name	SPN sialophorin [Homo sapiens]
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_001030288
Protein Refseq	NP_001025459
MIM	182160
UniProt ID	P16150

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Chromosome Location	16p11.2
Pathway	Basigin interactions, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	bacterial cell surface binding; binding; transmembrane signaling receptor activity;

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