

Product information

SPN, 20-253aa

Human, His-tagged, Recombinant, *E.coli*

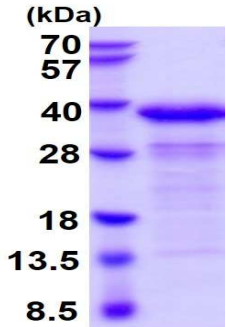
Cat. No. IBATGP2310

Full name: leukosialin precursor

NCBI Accession No.: NP_003114

Synonyms: CD43, GALGP, GPL115, LSN

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. Recombinant human SPN protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol</p> <p>Molecular Weight: 25.8kDa (257aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)</p> <p>Purity: > 85% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Absorbance at 280nm)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MGSSTTAVQT PTSGEPLVST SEPLSSKMYT TSITSDPKAD STGDQTSALP PSTSINEGSP LWTSIGASTG SPLPEPTYQ EVSIKMSSVP QETPHATSHP AVPI TANS LG SHTVTGGTIT TNSPETSSRT SGAPVTTAAS SLETSRGTS G PPLTMATVSL ETSKGTSGPP VT MATDSLET STGTTGPPVT MTTGSLEPSS GASGPQVSSV KLSTMMSPPT STNASTVPFR NPDENSR</p>	

General references:

Park, H.J., *et al.* (2012) *Am. J. Surg. Pathol.* 36 (8), 1150-1157

Balikova, A., *et al.* (2012) *Int. J. Oncol.* 41 (1), 299-309

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.