

SPN, 20-253aa, Human, His tag, E.coli

Cat.NO.: TP04019

3th Edition

Synonyms:leukosialin precursor, 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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight:25.8kDa (257aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSTTAVQTPTSGEPLVSTSEPLSSKMYTTSITSDPKADSTGDQTSALPPSTSIN
EGSPLWTSIGASTGSPLPEPTYQEVSIMSSVPQETPHATSHPAVPITANSLGSHTVTGGTITTTNSPETSRTSGA
PVTTAASSLETSGPPLTMTVSLKGTSGPPVTMATDSLETSTGTTGPPVTMTTGSLEPSSGASGPQVSS
VKLSTMMSPPTSTNASTVPFRNPDENSR

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Absorbance at 280nm).

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.