

## AR51134PU-S

## Human CD43 / Leukosialin (20-253, His-tag) - Purified

**Alternate names:**

Galactoglycoprotein, Leukocyte sialoglycoprotein, SPN, Sialophorin

**Quantity:**

0.1 mg

**Concentration:**

1.0 mg/ml (determined by Bradford assay)

**Background:**

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.

**Uniprot ID:**

[P16150](#)

**NCBI:**

[NP\\_003114](#)

**GeneID:**

[105369261](#)

**Species:**

Human

**Source:**

E. coli

**Format:**

**State:** Liquid purified protein

**Purity:** >85% by SDS - PAGE

**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

**Description:**

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

**AA Sequence:**

MGSSHHHHH SSGLVPRGSH MGSSTAVQT PTSGEPLVST SEPLSSKMYT TSITSDPKAD  
STGDQTSALP PSTSINEGSP LWTISIGASTG SPLPEPTYQ EVSIKMSSVP QETPHATSHP  
AVPITANSLG SHTVTGGTIT TNSPETSSRT SGAPVTTAAS SLETSGRTSG PPLTMATVSL  
ETSKGTSGPP VTMATDSLET STGTTGPPVT MTGSLEPSS GASGPQVSSV KLSTMMSPPT  
STNASTVPFR NPDENSR

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

**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

1. Park, H.J., et al. (2012) Am. J. Surg. Pathol. 36 (8), 1150-1157.
2. Balikova, A., et al. (2012) Int. J. Oncol. 41 (1), 299-309.

Pictures:

