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Schillerstr. 5

## 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 MGSSTTAVQT PTSGEPLVST SEPLSSKMYT TSITSDPKAD STGDQTSALP PSTSINEGSP LWTSIGASTG SPLPEPTTYQ EVSIKMSSVP QETPHATSHP AVPITANSLG SHTVTGGTIT TNSPETSSRT SGAPVTTAAS SLETSRGTSG PPLTMATVSL ETSKGTSGPP VTMATDSLET STGTTGPPVT MTTGSLEPSS GASGPQVSSV KLSTMMSPTT

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.

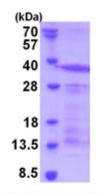
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

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:** 



15% SDS-PAGE (3ug)