

Recombinant human CD43 protein

Catalog Number: ATGP2310

PRODUCT INFORMATION

Expression system

E.coli

Domain

20-253aa

UniProt No.

P16150

NCBI Accession No.

NP_003114.1

Alternative Names

leukosialin precursor, CD43, GALGP, GPL115, LSN

PRODUCT SPECIFICATION

Molecular Weight

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

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>STTAVQT PTSGEPLVST SEPLSSKMYT TSITSDPKAD STGDQTSALP PSTSINEGSP
LWTSIGASTG SPLPEPTYQ EVSIKMSSVP QETPHATSHP AVPITANSLG SHTVTGGTIT TNSPETSRT SGAPVTTAAS
SLETSRGTSG PPLTMATVSL ETSKGTSGPP VTMATDSLET STGTTGPPVT MTTGSLEPSS GASGPQVSSV KLSTMMSPPT
STNASTVPFR NPDENSR

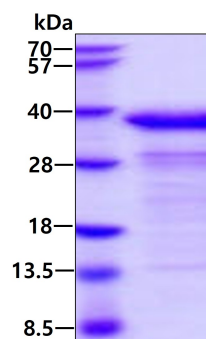
General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.