

# Recombinant Human SPN Protein, His-tagged

**Cat. No.** SPN-11043H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CD43, His Tag is expressed from human 293 cells (HEK293). It contains AA Ser 20 - Arg 253 (Accession # P16150-1 ). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Ser 20                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 20-253 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | CD43 or leukosialin or sialophorin, is predominant cell surface sialoprotein of leukocytes which regulates multiple T-cell functions, including T-cell activation, proliferation, differentiation, trafficking and migration. In hematopathology, CD43 is often considered as a T-cell associated marker, because it is expressed by over 95% of thymocytes and peripheral blood T cells. CD43 positively regulates T-cell trafficking to lymph-nodes via its association with ERM proteins (EZR, RDX and MSN). |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 25.3 kDa. The protein migrates as 45-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | Less than 1.0 EU/µg by the LAL method/rFC method.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | >90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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**Storage** This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [SPN sialophorin \[ Homo sapiens \]](#)

**Official Symbol** [SPN](#)

**Synonyms** SPN; sialophorin; sialophorin (gpL115, leukosialin, CD43); leukosialin; CD43; GPL115; LSN; GALGP; galactoglycoprotein; leukocyte sialoglycoprotein; sialophorin (leukosialin, CD43);

**Gene ID** [6693](#)

**mRNA Refseq** [NM\\_001030288](#)

**Protein Refseq** [NP\\_001025459](#)

**MIM** [182160](#)

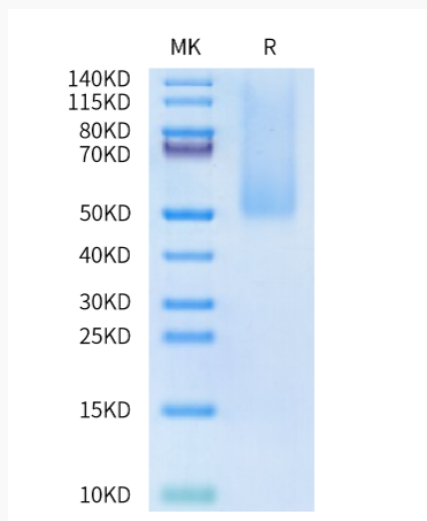
**UniProt ID** [P16150](#)

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**SDS-PAGE.**



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