

Product datasheet for **TP304195**

CD43 (SPN) (NM_003123) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human sialophorin (SPN), transcript variant 2, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC204195 protein sequence
Red=Cloning site **Green**=Tags(s)

MATLLLLLGVLVSPDALGSTTAVQTPTSGEPLVSTSEPLSSKMYTTSITSDPKADSTGDQTSALPPSTS
INEGSPLWTSIGASTGSPLPEPTYQEVSIMSSVPQETPHATSHPAVPITANSLGSHTVTGGTITTNSP
ETSSRTSGAPVTTAASSLETSGPPLTMATVLSLETSGTSGPPVTMATDSLETSTGTTGPPVTMTTG
SLEPSSGASGPQVSSVKLSTMMSPPTSTNASTVFRNPDENSRGMLPVAVLVALLAVIVLVALLLWRRR
QKRRTGALVLSRGGKRNQVDAWAGPAQVPEEGAVTVTVGGSGGDKGSGFPDGEGRPTLTFFGRRK
SRQGLAMEELKSGSGPSLKGEEELVASEDGAVDAPAPDEPEGGDGAAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 40.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_003114](#)

Locus ID: 6693



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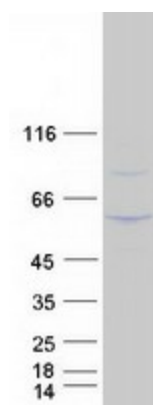
UniProt ID: [P16150](#), [A0A024R629](#)
RefSeq Size: 6911
Cytogenetics: 16p11.2
RefSeq ORF: 1200
Synonyms: CD43; GALGP; GPL115; LSN

Summary: This gene encodes a highly sialylated glycoprotein that functions in antigen-specific activation of T cells, and is found on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. It contains a mucin-like extracellular domain, a transmembrane region and a carboxy-terminal intracellular region. The extracellular domain has a high proportion of serine and threonine residues, allowing extensive O-glycosylation, and has one potential N-glycosylation site, while the carboxy-terminal region has potential phosphorylation sites that may mediate transduction of activation signals. Different glycoforms of this protein have been described. In stimulated immune cells, proteolytic cleavage of the extracellular domain occurs in some cell types, releasing a soluble extracellular fragment. Defects in expression of this gene are associated with Wiskott-Aldrich syndrome. [provided by RefSeq, Sep 2017]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

Product images:



Coomassie blue staining of purified SPN protein (Cat# TP304195). The protein was produced from HEK293T cells transfected with SPN cDNA clone (Cat# [RC204195]) using MegaTran 2.0 (Cat# [TT210002]).