

## Product datasheet for PH304195

### CD43 (SPN) (NM\_003123) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SPN MS Standard C13 and N15-labeled recombinant protein (NP_003114)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204195
Predicted MW:	40.3 kDa
Protein Sequence:	>RC204195 protein sequence Red=Cloning site Green=Tags(s)
	<p>MATLLLLLGVLVVSPDALGSTTAVQTPSTSGEPLVSTSEPLSSKMYTTSITSDPKADSTGDDQTSALPPSTS          INEGSPLWTSIGASTGSPLPEPTYQEVSIMSSVPQETPHATSHPAVPITANLSGHTVTGGTITTNSP          ETSSRTSGAPVTTAASSLETSRGTSGPPLTMATVSLETSKGTSGPPVTMADSLETSTGTTGPPVTMTTG          SLEPSSGASGPQVSSVKLSTMMSPPTTSTNASTVFRNPDENSRGMLPVAVLVALLAVIVLVALLLLWRRR          QKRRTGALVLSRGGKRVVDAWAGPAQVPEEGAVTVTVGGSGGDKGSGFPDGEGRPTLTFFGRRK          SRQGLAMEELKSGSPSLKGEELVASEDGAVDAPAPDEPEGGGAAP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_003114</a>
RefSeq Size:	6911
RefSeq ORF:	1200
Synonyms:	CD43; GALGP; GPL115; LSN
Locus ID:	6693



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UniProt ID: [P16150](#), [A0A024R629](#)

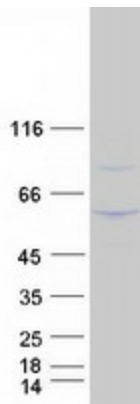
Cytogenetics: 16p11.2

**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]).