

## Product datasheet for PH301938

### spindlin 1 (SPIN1) (NM\_006717) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SPIN1 MS Standard C13 and N15-labeled recombinant protein (NP_006708)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201938
Predicted MW:	29.4 kDa
Protein Sequence:	>RC201938 representing NM_006717 Red=Cloning site Green=Tags(s)  MKTPTFGKTPGQRSRADAGHAGVSANMMKKRTSHKKHRSSVGPSPKPVSQPRRNIVGCRIQHWKEGNPVT QWKGTVLDQVPVNPPLYLIKYDGFDCVYGLELNKDERVSALEVL PDRVATSRISDAHLADTMIGKAVEHM FETEDGSKDEWRGMVLARAPVMNTWFYITYEKDPVLYMYQLDDYKEGDLRIMPDSNDSPPAEREPGEVV DSLVGKQVEYAKEDGSKRTGMVIHQVEAKPSVYFIKFDDDFHIYVYDLVKTS  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_006708</a>
RefSeq Size:	4535
RefSeq ORF:	786
Synonyms:	SPIN; TDRD24
Locus ID:	10927
UniProt ID:	<a href="#">Q9Y657</a> , <a href="#">A0A024R297</a>

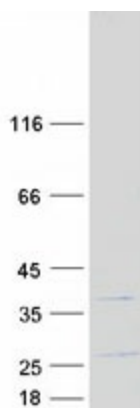


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Cytogenetics: 9q22.1

**Summary:** Chromatin reader that specifically recognizes and binds histone H3 both trimethylated at 'Lys-4' and asymmetrically dimethylated at 'Arg-8' (H3K4me3 and H3R8me2a) and acts as an activator of Wnt signaling pathway downstream of PRMT2. In case of cancer, promotes cell cancer proliferation via activation of the Wnt signaling pathway (PubMed:24589551). Overexpression induces metaphase arrest and chromosomal instability. Localizes to active rDNA loci and promotes the expression of rRNA genes (PubMed:21960006). May play a role in cell-cycle regulation during the transition from gamete to embryo. Involved in oocyte meiotic resumption, a process that takes place before ovulation to resume meiosis of oocytes blocked in prophase I: may act by regulating maternal transcripts to control meiotic resumption.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified SPIN1 protein (Cat# [TP301938]). The protein was produced from HEK293T cells transfected with SPIN1 cDNA clone (Cat# [RC201938]) using MegaTran 2.0 (Cat# [TT210002]).