

## Product datasheet for **TP301938**

### spindlin 1 (SPIN1) (NM\_006717) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human spindlin 1 (SPIN1), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC201938 representing NM\_006717  
**Red**=Cloning site **Green**=Tags(s)

MKTPFGKTPGQRSRADAGHAGVSANMMKKRTSHKKHRSSVGPSPVSPQPRRNIVGCRIQHGWKEGNG  
PVT  
QWKGTVLDQVPVNPSLYLIKYDGFDCVYGLELNKDERVSALEVLDPDRVATSRISDAHLADTMIGKAVEHM  
FETEDGSKDEWRGMVLARAPVMNTWFIYIYEKDPVLYMYQLDDYKEGDLRIMPDSNDSPPAEREPGEV  
V  
DSLVGKQVEYAKEDGSKRTGMVIHQVEAKPSVYFIKFDDDFHIYVYDLVKTS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 29.4 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\\_006708](#)  
**Locus ID:** 10927



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UniProt ID: [Q9Y657](#)

RefSeq Size: 4535

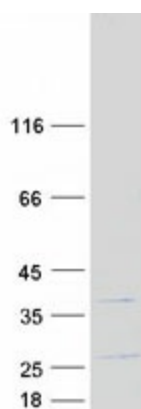
Cytogenetics: 9q22.1

RefSeq ORF: 786

Synonyms: SPIN; TDRD24

**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]).