

Product datasheet for **TP503454**

Spin1 (NM_146043) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse spindlin 1 (Spin1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203454 representing NM_146043 Red =Cloning site Green =Tags(s) MKTPFGKTPGQRSRADAGHAGVSANMMKKRTSHKKHRTSVGSPKPVSPRRNIVGCRIQHWREGNGPVT QWKGTVLDQVPVNPVNSLYLIKVDGFDCVYGLELNKDERVSALEVLDPDRVATSRISDAHLADTMIGKAVEHM FETEDGSKDEWRGMVLARAPVMNTWFYITYEKDPVLYMYQLDDYKEGDLRIMPDSNDSPPAEREPGEV DSLVGKQVEYAKEDGSKRTGMVIHQVEAKPSVYFIKFDFFFHIYVYDLVKTS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	30.1 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
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 after receiving vials.
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_666155
Locus ID:	20729
UniProt ID:	Q61142
RefSeq Size:	1064



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Cytogenetics: 13 26.04 cM

RefSeq ORF: 786

Synonyms: Spin

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 (By similarity). Overexpression induces metaphase arrest and chromosomal instability (PubMed:18543248). Localizes to active rDNA loci and promotes the expression of rRNA genes. 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 (PubMed:23894536).[UniProtKB/Swiss-Prot Function]