Recombinant Full Length Human SPIN1 Protein, Flag tagged

Cat. No. SPIN1-6236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SPIN1 Protein with Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
Conjugation/Label	1-262 aa
Description	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.
AASequence	MKTPFGKTPGQRSRADAGHAGVSANMMKKRTSHKKHRSSVGPSKPVSQPRRNIV GCRIQHGWKEGNGPVT QWKGTVLDQVPVNPSLYLIKYDGFDCVYGLELNKDERVS ALEVLPDRVATSRISDAHLADTMIGKAVEHM FETEDGSKDEWRGMVLARAPVMNT WFYITYEKDPVLYMYQLLDDYKEGDLRIMPDSNDSPPAEREPGEVV DSLVGKQVEY

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	AKEDGSKRTGMVIHQVEAKPSVYFIKFDDDFHIYVYDLVKTS TRTRPLEQKLISEEDL AANDILDYKDDDDKV
Molecular Mass	29.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Note	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Storage Buffer	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Concentration	>0.05 μg/μL as determined by microplate BCA method
Shipping	Dry Ice

GENE INFORMATION

Gene Name	SPIN1 spindlin 1 [Homo sapiens (human)]
Official Symbol	SPIN1
Synonyms	SPIN1; spindlin 1; SPIN; TDRD24; spindlin-1; ovarian cancer-related protein; spindlin1
Gene ID	10927

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mRNA Refseq	NM_006717
Protein Refseq	NP_006708
MIM	609936
UniProt ID	Q9Y657

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