Recombinant Human SPIN1 Protein (Met1-Ser262), His tagged

Cat. No. SPIN1-5574H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SPIN1 (Met1-Ser262) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ser262
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. Overexpression induces metaphase arrest and chromosomal instability. 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.
Form	Lyophilized powder/frozen liquid
Molecular Mass	30.59 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	SPIN1 spindlin 1 [Homo sapiens (human)]
Official Symbol	SPIN1
Synonyms	SPIN1; spindlin 1; SPIN; spindlin-1; ovarian cancer-related protein; OCR; spindlin
Gene ID	10927
mRNA Refseq	NM_006717
Protein Refseq	NP_006708
MIM	609936
UniProt ID	Q9Y657

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