

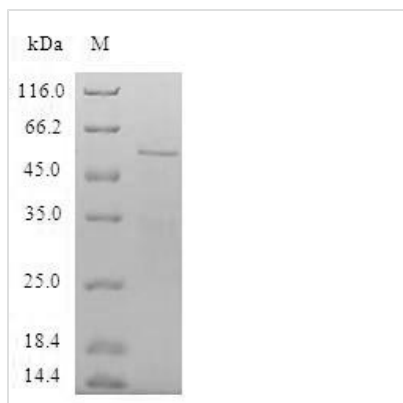


Recombinant Human Spindlin-1 (SPIN1)

Product Code	CSB-EP897305HU
Relevance	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.
Abbreviation	Recombinant Human SPIN1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9Y657
Alias	Ovarian cancer-related protein Spindlin1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MKTPFGKTPGQRSRADAGHAGVSANMMKKRTSHKKHRSSVGPSKPVSQPR RNIVGCRIQHWKEGNGPVTQWKGTVLDQVPVNPSLYLIKVDGFDVCVYGLEL NKDERVSALEVLPRVATSRISDAHLADTMIGKAVEHMFETEDGSKDEWRGM VLARAPVMNTWIFYITYEKDPVLYMYQLLDDYKEGDLRIMPDSNDSPPAEREPE EVVDSL VGKQVEYAKEDGSKRTGMVIHQVEAKPSVYFIKFDFFFHIYVYDLVKT S
Research Area	Cell Biology
Source	E.coli
Target Names	SPIN1
Protein Names	Recommended name: Spindlin-1 Alternative name(s): Ovarian cancer-related protein
Expression Region	1-262aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	56.6kDa


Protein Length

Full Length

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.