Spindlin-1 (SPIN1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Spindlin-1 (Spin1), Recombinant Protein
Full Product Name	Recombinant Rat Spindlin-1 (Spin1)
Product Gene Name	Spin1 recombinant protein
Product Synonym Gene Name	Spin1
Sequence	MKTPFGKTPG QRSRADAGHA GVSANMMKKR TSHKKHRTSV GPSKPVSQPR RNIVGCRIQH GWREGNGPVT QWKGTVLDQV PVNPSLYLIK YDGFDCVYGL ELNKDDRVSA LEVLPDRVAT SRISDAHLAD TMIGKAVEHM FETEDGSKDE WRGMVLARAP VMNTWFYITY EKDPVLYMYQ LLDDYKEGDL RIMPDSNDSP PAEREPGEVV DSLVGKQVEY AKEDGSKRTG MVIHQVEAKP SVYFIKFDDD FHIYVYDLVK TS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	29,629 Da
Sequence Positions	1-262, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q4V8J7
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Spin1 recombinant protein	MBS1331845 is a recombinant protein targeting Spin1. Also known as Recombinant Rat Spindlin-1 (Spin1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Spin1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Spin1. It may not necessarily be applicable to this product.

NCBI GI #	67078426
NCBI GeneID	361217
NCBI Accession #	NP_001019967.1
UniProt Primary Accession #	Q4V8J7
UniProt Related Accession #	Q4V8J7

GenBank Nucleotide #	NM_001024796.1
NCBI Official Full Name	spindlin-1
NCBI Official Synonym Full Names	spindlin 1
NCBI Official Symbol	Spin1
NCBI Official Synonym Symbols	Spin
UniProt Protein Name	Spindlin-1
UniProt Synonym Protein Names	Spindlin1
Protein Family	KH domain-containing protein
UniProt Gene Name	Spin1
UniProt Synonym Gene Names	Spin
NCBI Protein Information	spindlin-1
UniProt Comments for Spin1	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.
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