Small Kinetochore-Associated Protein (SKAP) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Small kinetochore-associated protein (Skap), Recombinant Protein
Full Product Name	Recombinant Mouse Small kinetochore-associated protein (Skap)
Product Gene Name	Skap recombinant protein
Product Synonym Gene Name	Skap
Sequence	MAAPEAEAQE TAFRTTGPPT DSEPRPFPPS SRKFPFESAA ADSNEDWAVA AEHYLKGSGE NGGWEQPAPG VQPSHPATMA SAKTVCDAQP HSMPSCGLPA DTQTRATSKL PVKSKEADLL RHLHPGGPEP DVTKVTKSRR ENGQVKAAET ASRRNLRNSY KPFNKQKPEE ELKDKNELLE AVNKQLHQKL TETQGELKDL TQKVELLEKF QDNCLALLES KGLNPGQETL ASKQEPTTDH TDSMLLLETL KDELKVFNET AKKQMEELQA LKVKLKLKEE ESVQFLEQQT LCKDEASDFT IILEEMEQLL EM
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	34,728 Da
Sequence Positions	1-312, 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 Q9D9Z1
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Skap recombinant protein	MBS1402065 is a recombinant protein targeting Skap. Also known as Recombinant Mouse Small kinetochore-associated protein (Skap). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Skap 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 Skap. It may not necessarily be applicable to this product.

NCBI GI #	228008377
NCBI GeneID	51944
NCBI Accession #	NP_080688.2
UniProt Primary Accession #	Q9D9Z1
UniProt Secondary Accession #	Q8K2D9

UniProt Related Accession #	Q9D9Z1
GenBank Nucleotide #	NM_026412.3
NCBI Official Full Name	small kinetochore-associated protein
NCBI Official Synonym Full Names	kinetochore-localized astrin/SPAG5 binding
NCBI Official Symbol	Knstrn
NCBI Official Synonym Symbols	SKAP; C15orf23; Traf4af1; D2Ertd750e; 1700025D04Rik
UniProt Protein Name	Small kinetochore-associated protein
UniProt Synonym Protein Names	Kinetochore-localized astrin-binding protein; Kinastrin; Kinetochore-localized astrin/SPAG5-binding protein; TRAF4-associated factor 1
Protein Family	Small kinetochore-associated protein
UniProt Gene Name	Knstrn
UniProt Synonym Gene Names	D2Ertd750e; Skap; Traf4af1; SKAP; Kinastrin
NCBI Protein Information	small kinetochore-associated protein
UniProt Comments for Skap	Essential component of the mitotic spindle required for faithful chromosome segregation and progression into anaphase. Promotes the metaphase-to-anaphase transition and is required for chromosome alignment, normal timing of sister chromatid segregation, and maintenance of spindle pole architecture. The astrin (SPAG5)-kinastrin (SKAP) complex promotes stable microtubule-kinetochore attachments. Required for kinetochore oscillations and dynamics of microtubule plus-ends during live cell mitosis, possibly by forming a link between spindle microtubule plus-ends and mitotic chromosomes to achieve faithful cell division.
Research Articles on Skap	**1.** important role in the successful outcome of male gametogenesis
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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