Spindle and Kinetochore-Associated Protein 2 (SKA2) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Spindle and kinetochore-associated protein 2 (SKA2), Recombinant Protein
Full Product Name	Recombinant Bovine Spindle and kinetochore-associated protein 2 (SKA2)
Product Gene Name	SKA2 recombinant protein
Product Synonym Gene Name	SKA2
Sequence	MEAEVDKLEL MFQKADSDLD YIQYRLEYEI KTNYPDSAGK KNPVTLLKEL SAIKSRYQTL HVRFKPIAVE QKETKSRICA TFNKTMTLIQ ELQKETDMEL LPLTEEEKTA AEQLRAHMSD L
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	14,129 Da
Sequence Positions	1-121, 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 Q2TBY0
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SKA2 recombinant protein	MBS1383263 is a recombinant protein targeting SKA2. Also known as Recombinant Bovine Spindle and kinetochore-associated protein 2 (SKA2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SKA2 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 SKA2. It may not necessarily be applicable to this product.

NCBI GI #	84370203
NCBI GeneID	615847
NCBI Accession #	NP_001033668.1
UniProt Primary Accession #	Q2TBY0
UniProt Related Accession #	Q2TBY0
GenBank Nucleotide #	NM_001038579.2

NCBI Official Full Name	spindle and kinetochore-associated protein 2
NCBI Official Synonym Full Names	spindle and kinetochore associated complex subunit 2
NCBI Official Symbol	SKA2
NCBI Official Synonym Symbols	FAM33A
UniProt Protein Name	Spindle and kinetochore-associated protein 2
UniProt Synonym Protein Names	Protein FAM33A
Protein Family	Spindle and kinetochore-associated protein
UniProt Gene Name	SKA2
UniProt Synonym Gene Names	FAM33A
NCBI Protein Information	spindle and kinetochore-associated protein 2
UniProt Comments for SKA2	Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation. Required for timely anaphase onset during mitosis, when chromosomes undergo bipolar attachment on spindle microtubules leading to silencing of the spindle checkpoint. The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies. The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner. In the complex, it is required for SKA1 localization. Affinity for microtubules is synergistically enhanced in the presence of the ndc-80 complex and may allow the ndc-80 complex to track depolymerizing microtubules.
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