

Recombinant Human spindle and kinetochore associated complex subunit 1, His-tagged

Cat. No. SKA1-499H Lot. No. (See product label)

SPECIFICATION

Product Overview	SKA1, 1-255aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-255 a.a.
Description	SKA1, as known as spindle and kinetochore-associated protein 1, 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 mediates the interaction with microtubules. Recombinant human SKA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl
Molecular Mass	31.9 kDa(278aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMASDLE QLCSHVNEKI GNIKKTLSLR NCGQEPTLKT VLNKIGDEII VINELLNKLE LEIQYQEQTN NSLKELCESL EEDYKDIEHL KENVPSHLPQ VTVTQSCVKG SLDLPEEPIK VEEPEPVKPK PKEQRSIKEM PFITCDEFNG VPSYMKSRILT YNQINDVIKE INKAVISKYK

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ILHQPKKSMN SVTRNLYHRF IDEETKDTKG RYFIVEADIK EFTTLKADKK
FHVLLNILRH CRRLSEVRGG GLTRYVIT

Purity >80% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [SKA1 spindle and kinetochore associated complex subunit 1 \[Homo sapiens \]](#)

Official Symbol SKA1

Synonyms SKA1; spindle and kinetochore associated complex subunit 1; C18orf24, chromosome 18 open reading frame 24; spindle and kinetochore-associated protein 1; MGC10200; spindle and KT (kinetochore) associated 1; C18orf24;

Gene ID [220134](#)

mRNA Refseq [NM_001039535](#)

Protein Refseq [NP_001034624](#)

UniProt ID [Q96BD8](#)

Chromosome Location 18q21.1

Pathway Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific

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biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem;

Function

microtubule binding; protein binding;

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