Recombinant Human SKA1, His-tagged

Cat. No. SKA1-5100H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SKA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
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.
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 SSGLVPRGSH MGSMASSDLE QLCSHVNEKI GNIKKTLSLR NCGQEPTLKT VLNKIGDEII VINELLNKLE LEIQYQEQTN NSLKELCESL EEDYKDIEHL KENVPSHLPQ VTVTQSCVKG SDLDPEEPIK VEEPEPVKKP PKEQRSIKEM PFITCDEFNG VPSYMKSRLT YNQINDVIKE INKAVISKYK ILHQPKKSMN SVTRNLYHRF IDEETKDTKG RYFIVEADIK EFTTLKADKK FHVLLNILRH CRRLSEVRGG GLTRYVIT
Purity	>80% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. 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 biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-

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	specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem;
Function	microtubule binding; protein binding;

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