Recombinant Mouse Ska1 Protein, Myc/DDK-tagged

Cat. No. Ska1-5891M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length spindle and kinetochore associated complex subunit 1 (Ska1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. 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. In the complex, it mediates the interaction with microtubules.
Molecular Mass	29.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Ska1 spindle and kinetochore associated complex subunit 1 [Mus musculus (house mouse)]
Official Symbol	Ska1
Synonyms	SKA1; spindle and kinetochore associated complex subunit 1; spindle and kinetochore-associated protein 1; AV117428; 2810433K01Rik
Gene ID	66468
mRNA Refseq	NM_001164355
Protein Refseq	NP_001157827
UniProt ID	Q9CPV1

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