
Product Data Sheet

Product Name: SKA1 Human
 Cat. No.: GP24612
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Spindle and kinetochore-associated protein 1; SKA1; C18orf24; Spindle And Kinetochore Associated Complex Subunit 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMASDLE QLCSHVNEKI GNIKKTLSLR NCGQEPTLKT VLNKIGDEII VINELLNKLE LEIQYQEQTN NSLKELCESL EEDYKDIEHL KENVPSHLPQ VTVTQSCVKG SLDLPEEPIK VEEPEPVKKP PKEQRSIKEM PFITCDEFNG VPSYMKSRILT YNQINDVIKE INKAVISKYK ILHQPKSMN SVTRNLYHRF IDEETKDTKG RYFIVEADIK EFTTLKADKK FHVLLNILRH CRRLSEVRGG GLTRYVIT.		
Formulation	The SKA1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.1M NaCl.		

Introduction

Spindle And Kinetochore Associated Complex Subunit 1 (SKA1) is a part of the kinetochore-microtubule interface which associates with microtubules as oligomeric assemblies. The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner. SKA1 is necessary for timely anaphase onset during mitosis, when chromosomes undergo bipolar attachment on spindle microtubules leading to silencing of the spindle checkpoint.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SKA1 Human Recombinant produced in E. coli is a single polypeptide chain containing

Caution: Product has not been fully validated for medical applications. For research use only.

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278 amino acids (1-255) and having a molecular mass of 31.9 kDa. SKA1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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