

Datasheet for ABIN7560484
SKA1 Protein (AA 1-254) (His tag)



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Overview

Quantity:	1 mg
Target:	SKA1
Protein Characteristics:	AA 1-254
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SKA1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ska1 Protein expressed in mammalian cells.
Sequence:	MDSELEDLCS YVNEKIGNIK KILSIRNLGQ DPALKTTLSK IGDEIIAVNE LLNKFELEIQ YQEQTNSSLK ELCESLREEC EDVEHLKEHV PPHLPQVTAT QSLVHKPEPD PKESDKAEEP GLPKKPPREQ RVIKEMQFIT MDEFSDVPAY MKSRLTYCQI NDIKEINKA VVSKYKIMHQ PKASMSSVKR NLYQRFINEE TKDTKGHHFI VEADIKEFTA LKVDKRFYVI MHILRHCHRL SEVRGGGLTR YVIT Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SKA1
Alternative Name:	Ska1 (SKA1 Products)
Background:	Spindle and kinetochore-associated protein 1,FUNCTION: 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. {ECO:0000250 UniProtKB:Q96BD8}.
Molecular Weight:	29.4 kDa
UniProt:	Q9CPV1
Pathways:	M Phase

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
