

Datasheet for ABIN7555467
SKA3 Protein (AA 1-412) (His tag)



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Overview

Quantity:	1 mg
Target:	SKA3
Protein Characteristics:	AA 1-412
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SKA3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SKA3 Protein expressed in mammalian cells.
Sequence:	MDPIRSFCGK LRSLASTLDC ETARLQRALD GEESDFEDYP MRILYDLHSE VQTLKDDVNI LLDKARLENQ EGIDFIKATK VLMEKNSMDI MKIREYFQKY GYSPRVKKNS VHEQEAINSD PELSNCENFQ KTDVKDDLSD PPVASSCISE KSPRSPQLSD FGLERYIVSQ VLPNPPQAVN NYKEEPVIVT PPTKQSLVKV LKTPKCALKM DDFECVTPKL EHFGESEYTM CLNEDYTMGL KNARNNKSEE AIDTESRLND NVFATPSPII QQLEKSDAEY TNSPLVPTFC TPGLKIPSTK NSIALVSTNY PLSKTNSSSN DLEVEDRTSL VLNSDTCFEN LTDPSSPTIS SYENLLRTPT PPEVTKIPED ILQLLSKYNS NLATPIAIKA VPPSKRFLKH GQNIRDVSNK EN 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.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- 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:

SKA3

Alternative Name:

SKA3 ([SKA3 Products](#))

Background:

Spindle and kinetochore-associated protein 3,FUNCTION: Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation (PubMed:19289083, PubMed:19360002, PubMed:23085020). The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies (PubMed:19289083, PubMed:19360002). The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner (PubMed:19289083). In the complex, it mediates the microtubule-stimulated oligomerization (PubMed:19289083). 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 (PubMed:23085020). {ECO:0000269|PubMed:19289083, ECO:0000269|PubMed:19360002, ECO:0000269|PubMed:23085020}.

Molecular Weight:

46.4 kDa

Target Details

UniProt: [Q8IX90](#)

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