

# Product datasheet for AR51416PU-N

# SKA1 (1-255, His-tag) Human Protein

## **Product data:**

### OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	SKA1 (1-255, His-tag) human recombinant protein, 50 μg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or 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
Tag:	His-tag
Predicted MW:	31.9 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SKA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 001034624</u>
Locus ID:	220134
UniProt ID:	<u>Q96BD8, A0A024R294</u>
Cytogenetics:	18q21.1
Synonyms:	C18orf24



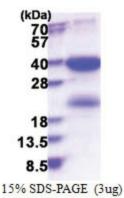
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#### SKA1 (1-255, His-tag) Human Protein – AR51416PU-N

#### Summary:

Component of the SKA1 complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation (PubMed:17093495, PubMed:19289083, PubMed:23085020). Required for timely anaphase onset during mitosis, when chromosomes undergo bipolar attachment on spindle microtubules leading to silencing of the spindle checkpoint (PubMed:17093495). The SKA1 complex is a direct component of the kinetochore-microtubule interface and directly associates with microtubules as oligomeric assemblies (PubMed:19289083). The complex facilitates the processive movement of microspheres along a microtubule in a depolymerization-coupled manner (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:19289083, PubMed:23085020). [UniProtKB/Swiss-Prot Function]

## **Product images:**



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