

## Product datasheet for TP321913L

### SKA1 (NM\_001039535) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 18 open reading frame 24 (C18orf24), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221913 protein sequence Red=Cloning site Green=Tags(s)

MASSDLEQLCSHVNEKIGNIKKTLRLNCGQEPTLKTVLNKGDEIIVINELLNKLELEIQYQEQTNNSL  
KELCESLEEDYKDIEHLKENVPSHLPQVTVTQSCVKGSDLDPEEPIKVEEPEPVKKPPKEQRSIKEMPF  
TCDEFNGVPSYMKSRQINDVIKEINKAVISKYKILHQPCKSMNSVTRNLYHRFIDEETKDTKGRYF  
IVEADIKFEFTLLKADKKFHVLLNLRHCRRLSEVRGGGLTRYVIT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	29.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001034624</a>
Locus ID:	220134

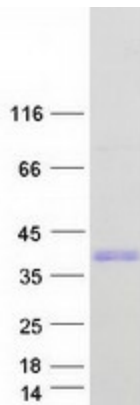


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UniProt ID:	<a href="#">Q96BD8</a> , <a href="#">A0A024R294</a>
RefSeq Size:	2938
Cytogenetics:	18q21.1
RefSeq ORF:	765
Synonyms:	C18orf24

**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:23085020). In the complex, it mediates the interaction with microtubules (PubMed:19289083, PubMed:23085020).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified SKA1 protein (Cat# [TP321913]). The protein was produced from HEK293T cells transfected with SKA1 cDNA clone (Cat# [RC221913]) using MegaTran 2.0 (Cat# [TT210002]).