

## Product datasheet for TP503253

### Ska1 (NM\_001164355) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse spindle and kinetochore associated complex subunit 1 (Ska1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203253 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MDSELEDLCSYVNEKIGNIKKILSIRNLGQDPALKTTLSKIGDEIIAVNELLNKFELEIQYQEQTNSSLK ELCESLREECEDVEHLKEHVPPHLPQVTATQSLVHKPEPDPKESDKAEELPKPKPPREQRVIKEMQFIT MDEFSDVPAYMKSRITYCQINDIIEINKAVVSKYKIMHQPASMSVSRNLYQRFINEETKDTKGHHFI VEADIKFTALKVDKRFYVIMHILRHCHRLSEVRGGGLTRYVIT  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-MYC/DDK
Predicted MW:	29.4 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
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 after receiving vials.
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_001157827</a>
Locus ID:	66468
UniProt ID:	<a href="#">Q9CPV1</a>
RefSeq Size:	2605


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<b>Cytogenetics:</b>	18 E2
<b>RefSeq ORF:</b>	762
<b>Synonyms:</b>	2810433K01Rik; AV117428
<b>Summary:</b>	<p>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.[UniProtKB/Swiss-Prot Function]</p>