

## Product datasheet for **TP302370M**

### SKA1 (NM\_145060) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human chromosome 18 open reading frame 24 (C18orf24), transcript variant 2, 100 µg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC202370 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | <p>MASSDLEQLCSHVNEKIGNIKKTLRLNCGQEPTLKTVLNKGDEIIVINELLNKLELEIQYQEQTNNSL<br/>KELCESLEEDYKDIEHLKENVPSHLPQVTVTQSCVKGSDLDPEEPIKVEEPEPVKKPPKEQRSIKEMPF<br/>TCDEFNGVPSYMKSRQINDVIKEINKAVISKYKILHQPCKSMNSVTRNLYHRFIDEETKDTKGRYF<br/>IVEADIKFEFTLLKADKKFHVLLNLRHCRRLSEVRGGGLTRYVIT</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p> |
| 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_659497</a>  |
| Locus ID:                             | 220134   |



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UniProt ID: [Q96BD8](#), [A0A024R294](#)

RefSeq Size: 2893

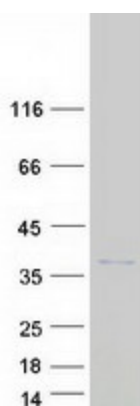
Cytogenetics: 18q21.1

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# [TP302370]). The protein was produced from HEK293T cells transfected with SKA1 cDNA clone (Cat# [RC202370]) using MegaTran 2.0 (Cat# [TT210002]).