

Recombinant Mouse Knstrn Protein, Myc/DDK-tagged

Cat. No. Knstrn-2437M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length DNA segment, Chr 2, ERATO Doi 750, expressed (cDNA clone MGC:30961 IMAGE:4021550), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Essential component of the mitotic spindle required for faithful chromosome segregation and progression into anaphase. Promotes the metaphase-to-anaphase transition and is required for chromosome alignment, normal timing of sister chromatid segregation, and maintenance of spindle pole architecture. The astrin (SPAG5)-kinastrin (SKAP) complex promotes stable microtubule-kinetochore attachments. Required for kinetochore oscillations and dynamics of microtubule plus-ends during live cell mitosis, possibly by forming a link between spindle microtubule plus-ends and mitotic chromosomes to achieve faithful cell division.
Molecular Mass	26.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Knstrn kinetochore-localized astrin/SPAG5 binding \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Knstrn](#)

Synonyms Knstrn; kinetochore-localized astrin/SPAG5 binding; SKAP; C15orf23; Traf4af1; D2Ert750; D2Ert750e; 1700025D04Rik; small kinetochore-associated protein; TRAF4 associated factor 1 homolog; TRAF4-associated factor 1; kinastrin; kinetochore-localized astrin-binding protein; kinetochore-localized astrin/SPAG5-binding protein; putative TRAF4-associated factor 1

Gene ID [51944](#)

mRNA Refseq [NM_026412](#)

Protein Refseq [NP_080688](#)

UniProt ID [Q9D9Z1](#)

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