

Recombinant Human KNSTRN Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. KNSTRN-277H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C15orf23 MS Standard C13 and N15-labeled recombinant protein (NP_150628) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
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. May be involved in UV-induced apoptosis via its interaction with PRPF19; however, these results need additional evidences.
Molecular Mass	35.4 kDa
AA Sequence	MAAPEAPPLDRVFRTTWLSTECDSHPLPPSYRKFLFETQEADLAGGTTVAAGNLLN ESEKDCGQDRRAPGVQPCLLVMTSVVKTVYSLQPSSALSGGQPADTQTRATSKS LLPVRSKEVDVSKQLHSGGPENDVTKITKLRRENGQMKATDTATRRNVRKGYKPLS

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KQKSEEELKDKNQLEAVNKQLHQKLTETQGELKDLTQKVELLEKFRDNCLAILESK
GLDPALGGETLASRQESTTDHMDSMMLLETQLQEELKLFNETAKKQMEELQALKVKLE
MKEERVRFLEQQTLCNNQVNDLTTALKEMEQLLEMTRTRPLEQKLISEEDLAANDIL
DYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [KNSTRN](#) kinetochore localized astrin (SPAG5) binding protein [[Homo sapiens \(human\)](#)]

Official Symbol [KNSTRN](#)

Synonyms KNSTRN; kinetochore localized astrin (SPAG5) binding protein; SKAP; HSD11; C15orf23; TRAF4AF1; small kinetochore-associated protein; TRAF4 associated factor 1; kinastrin; kinetochore-localized astrin-binding protein; putative TRAF4-associated factor 1; small kinetochore associated protein; small kinetochore-associated protein, kinetochore-localized astrin-binding protein, TRAF4 associated factor 1

Gene ID [90417](#)

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mRNA Refseq [NM_033286](#)

Protein Refseq [NP_150628](#)

MIM [614718](#)

UniProt ID [Q9Y448](#)

SDS-PAGE



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