

Recombinant Mouse Spdl1 Protein, Myc/DDK-tagged

Cat. No. Spdl1-6089M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length spindle apparatus coiled-coil protein 1 (Spdl1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for the localization of dynein and dynactin to the mitotic kintochore. Dynein is believed to control the initial lateral interaction between the kinetochore and spindle microtubules and to facilitate the subsequent formation of end-on kinetochore-microtubule attachments mediated by the NDC80 complex. Also required for correct spindle orientation. Does not appear to be required for the removal of spindle assembly checkpoint (SAC) proteins from the kinetochore upon bipolar spindle attachment. Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track). Plays a role in cell migration.
Molecular Mass	70.2 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.

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Storage	Store at -80 centigrade after receiving vials.
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	Spdl1 spindle apparatus coiled-coil protein 1 [Mus musculus (house mouse)]
Official Symbol	Spdl1
Synonyms	Spdl1; spindle apparatus coiled-coil protein 1; Ccdc99; AA409762; 1700018I02Rik; 2600001J17Rik; 2810049B11Rik; protein Spindly; coiled-coil domain containing 99; coiled-coil domain-containing protein 99; spindle apparatus coiled-coil domain-containing protein 1
Gene ID	70385
mRNA Refseq	NM_027411
Protein Refseq	NP_081687
UniProt ID	Q923A2