

Recombinant Mouse Misp Protein, Myc/DDK-tagged

Cat. No. Misp-4080M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitotic spindle positioning (Misp), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a role in mitotic spindle orientation and mitotic progression. Regulates the distribution of dynactin at the cell cortex in a PLK1-dependent manner, thus stabilizing cortical and astral microtubule attachments required for proper mitotic spindle positioning. May link microtubules to the actin cytoskeleton and focal adhesions. May be required for directed cell migration and centrosome orientation. May also be necessary for proper stacking of the Golgi apparatus.
Molecular Mass	72.3 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name	Misp mitotic spindle positioning [<i>Mus musculus</i> (house mouse)]
Official Symbol	Misp
Synonyms	Misp; mitotic spindle positioning; 9130017N09Rik; mitotic interactor and substrate of PLK1; mitotic spindle positioning protein
Gene ID	78906
mRNA Refseq	NM_030218
Protein Refseq	NP_084494
UniProt ID	Q9D279

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