

Product Information

INCENP, His-tagged, human recombinant, expressed in *Sf9* cells

Catalog Number **SRP5373**

Storage Temperature –70 °C

Synonyms: FLJ31633, MGC111393

Product Description

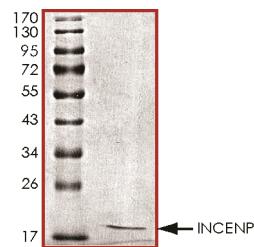
INCENP or inner centromere protein antigens 135/155 kDa is a 'passenger' or transiently interacting protein. The overexpression of a truncation mutant of chicken INCENP and a chimeric CENPB:INCENP protein in mammalian cell culture disrupted both prometaphase chromosome alignment and completion of cytokinesis.¹ INCENP forms a complex with the evolutionarily conserved family of Aurora B kinases, which helps coordinate chromosome segregation, spindle behavior, and cytokinesis during mitosis.²

Recombinant human INCENP (783-end) was expressed by baculovirus in *Sf9* insect cells using an N-terminal His-tag. The gene accession number is NM_001040694. It is supplied in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, and 25% glycerol.

Molecular mass: ~19 kDa

The enzymatic activity of this product has not been determined. This product can be used for Aurora B and Aurora C activation *in vitro*.

Figure 1.
SDS-PAGE Gel of Typical Lot:
≥70% (SDS-PAGE, densitometry)



Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at –70 °C is recommended. After opening, aliquot into smaller quantities and store at –70 °C. Avoid repeated handling and multiple freeze/thaw cycles.

References

1. Mackay, A.M. et.al., A dominant mutant of inner centromere protein (INCENP), a chromosomal protein, disrupts prometaphase congression and cytokinesis. *J. Cell Biol.*, **140**, 991-1002 (1998).
2. Pereira, G. et al., Separase regulates INCENP-Aurora B anaphase spindle function through Cdc14. *Science*, **302**, 2120-2124 (2003).

RC,MAM 10/12-1