

Recombinant Human INCENP, His-tagged

Cat. No. INCENP-7037H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human INCENP (783-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. This product can be used for Aurora B and Aurora C activation in vitro.
Species	Human
Source	Sf9 Cells
ProteinLength	783 aa-end
Description	INCENP or inner centromere protein antigens 135/155kDa is a constitutively binding centromere proteins and passenger, or transiently interacting, proteins. 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. INCENP forms a complex with the evolutionarily conserved family of Aurora B kinases which helps coordinate chromosome segregation, spindle behavior, and cytokinesis during mitosis.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~19 kDa
Purity	>90%

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Applications	Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
Gene Name	INCENP inner centromere protein antigens 135/155kDa [Homo sapiens]
Official Symbol	INCENP
Synonyms	INCENP; inner centromere protein antigens 135/155kDa; inner centromere protein antigens (135kD, 155kD); inner centromere protein; FLJ31633; chromosomal passenger protein; inner centromere protein INCENP; binds and activates aurora-B and -C in vivo and in vitro; MGC111393;
Gene ID	3619
mRNA Refseq	NM_001040694
Protein Refseq	NP_001035784
MIM	604411
UniProt ID	Q9NQS7
Chromosome Location	11q12.3

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Pathway

Aurora B signaling, organism-specific biosystem; Aurora C signaling, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem;

Function

protein binding;

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