

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	<p>INCENP or inner centromere protein antigens 135/155kDa is a constitutively binding centromere proteins and passenger, or transiently interacting, proteins.</p> <p>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.</p>
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	0.1 $\mu\text{g}/\mu\text{l}$
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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