

Recombinant Human CENPH, His-tagged

Cat. No. CENPH-26924TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 136-247 of Human CENPH with an N terminal His tag; 133 amino acids with tag, Predicted MWt 15.5 kDa.
Species	Human
Source	E.coli
ProteinLength	112 amino acids
Description	Centromere and kinetochore proteins play a critical role in centromere structure, kinetochore formation, and sister chromatid separation. The protein encoded by this gene colocalizes with inner kinetochore plate proteins CENP-A and CENP-C in both interphase and metaphase. It localizes outside of centromeric heterochromatin, where CENP-B is localized, and inside the kinetochore corona, where CENP-E is localized during prometaphase. It is thought that this protein can bind to itself, as well as to CENP-A, CENP-B or CENP-C. Multimers of the protein localize constitutively to the inner kinetochore plate and play an important role in the organization and function of the active centromere-kinetochore complex.
Conjugation	HIS
Molecular Weight	15.500kDa inclusive of tags
Form	Liquid

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Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 10% Glycerol
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMLNKLIMKSQQESWDLEEKLLDIRKKRLQLKQASES KLEIQTEKNKQKIDLDSEMSERIKIIRQNLQMEIKITTVIQHVFNILGSKVNWAED PALKEIVLQLEKNVDM
Sequence Similarities	Belongs to the centromere protein H family.

GENE INFORMATION

Gene Name	CENPH centromere protein H [Homo sapiens]
Official Symbol	CENPH
Synonyms	CENPH; centromere protein H; NNF1; MIND kinetochore complex component; homolog (S. cerevisiae); PMF1;
Gene ID	64946
mRNA Refseq	NM_022909
Protein Refseq	NP_075060
MIM	605607
Uniprot ID	Q9H3R5

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Chromosome Location	5p15.2
Pathway	Cell Cycle, Mitotic, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Replication, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; M Phase, organism-specific biosystem;
Function	kinetochore binding; protein binding;

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