

Recombinant Human CENPH, His-tagged

Cat. No. CENPH-11095H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CENPH protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-247a.a.
Description	This gene encodes a protein that belongs to the E2F family of transcription factors. This protein regulates E2F-dependent transcriptional activation and cell proliferation, mainly through the E2F/retinoblastoma protein pathway. It also functions in the regulation of JUN oncogene expression. This protein shows distinctive nuclear-mitotic apparatus distribution, it is involved in spindle organization from prometaphase, and may also play a role as a midzone factor involved in chromosome segregation or cytokinesis. Two alternatively spliced transcript variants encoding the same protein have been noted for this gene. Two pseudogenes have also been identified on chromosome 1.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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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; CENP-H; kinetochore protein CENP-H; interphase centromere complex protein 35;
Gene ID	64946
mRNA Refseq	NM_022909
Protein Refseq	NP_075060
MIM	605607
UniProt ID	Q9H3R5
Chromosome Location	5p15.2
Pathway	Cell Cycle, organism-specific biosystem; 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; Mitotic M-M/G1 phases, organism-specific biosystem;
Function	kinetochore binding; protein binding;

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