

Recombinant Human CENPH, His-tagged

Cat. No. CENPH-3644H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CENPH protein, fused to His-tag at N-terminus, was expressed in E.coli and denatured using detergent during a conventional chromatography purification process (136-247aa).
Species	Human
Source	Human
Description	CENPH, also known as centromere protein H, belongs to the centromere protein H family. This protein is component of the CENPA-NAC (nucleosome-associated) complex that plays a central role in assembly of kinetochore proteins. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol
Molecular Weight	15.5 kDa (133aa)
Purity	> 90% by SDS - PAGE
Concentration	1.0 mg/ml (determined by UV spectroscopy at 280 nm)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MLNKLIMKSQ QESWDLEEKL LDIRKKRLQL KQASESKLLE IQTEKNKQKI DLDSMENSER IKIIRQNLQM EIKITTVIQH VFQNLILGSK VNWAEDPALK EIVLQLEKNV DMM

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Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Pathways	Cell Cycle, Mitotic; Chromosome Maintenance; DNA Replication; Deposition of New CENPA-containing Nucleosomes at the Centromere; M Phase; Mitotic M-M/G1 phases; Mitotic Prometaphase; Nucleosome assembly
GENE INFORMATION	
Gene Name	CENPH centromere protein H [Homo sapiens]
Official Symbol	CENPH
Synonyms	CENPH; ICEN35; NNF1; PMF1; centromere protein H; centromere protein H; CENP-H; OTTHUMP00000123477; OTTHUMP00000221978; OTTHUMP00000221979; 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
Function	kinetochore binding; protein binding

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