

Recombinant human CENPH protein

Catalog Number: ATGP1207

PRODUCT INFORMATION

Expression system

E.coli

Domain

136-247aa

UniProt No.

Q9H3R5

NCBI Accession No.

NP_075060

Alternative Names

Centromere protein H, CENP H, Centromere protein H, ICEN35, Interphase centromere complex protein 35, Kinetochores protein CENP H, NNF1, MIND kinetochores complex component homolog, PMF1

PRODUCT SPECIFICATION

Molecular Weight

15.5 kDa (133aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 kinetochores proteins. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres. Recombinant human CENPH protein, fused to His-tag at N-terminus, was expressed in E. coli and denatured using detergent during a conventional

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chromatography purification process.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MLNKLIMKSQ QESWDLEEKL LDIRKKRLQL KQASESKLLE IQTEKNKQKI DLDSMENSER
IKIIRQNLQM EIKITTVIQH VFQNLILGSK VNWAEDPALK EIVLQLEKNV DMM

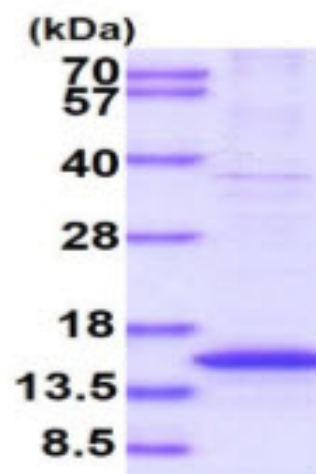
General References

Saffery R., et al. (2003) Mol Cell. 12(2):509-16.

Orthaus S., et al. (2006) Biochem Biophys Res Commun. 15
348(1):36-46.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)