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# Recombinant human CENPH protein

Catalog Number: ATGP1207

#### PRODUCT INFORMATION

# **Expression system**

E.coli

#### **Domain**

136-247aa

#### **UniProt No.**

O9H3R5

#### **NCBI Accession No.**

NP 075060

#### **Alternative Names**

Centromere protein H, CENP H, Centromere protein H, ICEN35, Interphase centromere complex protein 35, Kinetochore protein CENP H, NNF1, MIND kinetochore 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 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. 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**

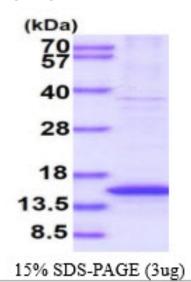
MGSSHHHHHH SSGLVPRGSH MLNKLIMKSQ QESWDLEEKL LDIRKKRLQL KQASESKLLE IQTEKNKQKI DLDSMENSER IKIIRQNLQM EIKITTVIQH VFQNLILGSK VNWAEDPALK EIVLQLEKNV DMM

#### **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.

