
Product Data Sheet

Product Name: CENPH Human
 Cat. No.: GP23122
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Centromere protein H; Interphase centromere complex protein 35; CENP-H; NNF1; PMF1; ICEN35; Kinetochore protein CENP-H.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MLNKLIMKSQ QESWDLEEKL LDIRKKRLQL KQASESKLLE IQTEKNKQKI DLDSMENSER IKIIRQNLQM EIKITTVIQH VFQNLILGSK VNWAEDPALK EIVLQLEKNV DMM		
Formulation	The CENPH solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

Introduction

CENPH is a member of the centromere protein H family. CENPH protein is a component of the CENPA-NAC (nucleosome-associated) complex which has a vital part in assembly of kinetochore proteins. The CENPA-NAC complex utilizes the CENPA-CAD (nucleosome distal) complex and is involved in integration of freshly synthesized CENPA into centromeres.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CENPH Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 133 amino acids (136-247) and having a molecular mass of 15.5 kDa. The CENPH is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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