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## Product Data Sheet

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Product Name: CCNH Human  
 Cat. No.: GP22436  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CCNH; CAK; p34; p37; Cyclin-H; MO15-associated protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MYHNSSQKRH WFSSEEQLA RLRADANRKF RCKAVANGKV LPNDPVFLEP HEEMTLCKYY EKRLLEFCSV FKPAMPRSVV GTACMYFKRF YLNNSVMEYH PRIIMLTCAF LACKVDEFNV SSPQFVGNLR ESPLGQEKAL EQILEYELL IQQLNFHLIV HNPYRPFEGF LIDLKTRYPI LENPEILRKT ADDFLNRIAL TDAYLLYTPS QIALTAILSS ASRAGITMES YLSESLMLKE NRTCLSQLLD IMKSMRNLVK KYEPPRSEEV AVLKQKLERC HSAELALNVI TKKRKGYEDD DYVSKKSKHE EEEWTDDDLV ESL.		
Formulation	The CCNH solution contains 20mM Tris-HCl pH-8, 2mM DTT, 2mM EDTA, 0.1M NaCl and 30% glycerol.		

### Introduction

CCNH is part of the cyclin family that is known for its protein abundance through the cell cycle. Cyclins act as regulators of CDK kinases. CCNH forms a complex with CDK7 kinase and ring finger protein MAT1. The kinase complex is able to phosphorylate CDK2 and CDC2 kinases, therefore it functions as a CDK-activating kinase (CAK). CCNH and its kinase collaborator are components of TFIIH, as well as RNA polymerase II protein complexes.

### 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

CCNH Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide

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

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chain containing 343 amino acids (1-323 a.a.) and having a molecular mass of 39.8 kDa. The CCNH is fused to a 20 amino acid His Tag and purified by proprietary chromatographic techniques.

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