

## CCNH Human

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

Catalog #:PKPS-371

For research use only.

**Synonyms:**CCNH, CAK, p34, p37, Cyclin-H, MO15-associated protein.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MYHNSSQKRH WFSSEEQLA  
RLRADANRKF RCKAVANGKV LPNDPVFLEP HEEMTLCKYY EKRLLEFCSV FKPAMPRSVV  
GTACMYFKRF YLNNVMEYH PRIIMLTCAF LACKVDEFNV SSPQFVGNLR ESPLGQEKAL  
EQILEYELLL IQQLNFHLIV HNPYRPFEGF LIDLKTRYPI LENPEILRKT ADDFLNRIAL  
TDAYLLYTPS QI

**Purity:**Greater than 90% as determined by SDS-PAGE.

### Formulation:

The CCNH solution contains 20mM Tris-HCl pH-8, 2mM DTT, 2mM EDTA, 0.1M NaCl and 30% glycerol.

### Stability:

CCNH Recombinant Human although stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. Please avoid freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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.

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