

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 LIDLKTRYPY 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:

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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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