Recombinant Human CCNH Protein, GST-Tagged

Cat. No. CCNH-0672H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCNH full-length ORF (NP_001230.1, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with CDK7 kinase and ring finger protein MAT1. The kinase complex is able to phosphorylate CDK2 and CDC2 kinases, thus functions as a CDK-activating kinase (CAK). This cyclin and its kinase partner are components of TFIIH, as well as RNA polymerase II protein complexes. They participate in two different transcriptional regulation processes, suggesting an important link between basal transcription control and the cell cycle machinery. A pseudogene of this gene is found on chromosome 4. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Nov 2010]
Molecular Mass	64 kDa
AA Sequence	MYHNSSQKRHWTFSSEEQLARLRADANRKFRCKAVANGKVLPNDPVFLEPHEEMT LCKYYEKRLLEFCSVFKPAMPRSVVGTACMYFKRFYLNNSVMEYHPRIIMLTCAFLA

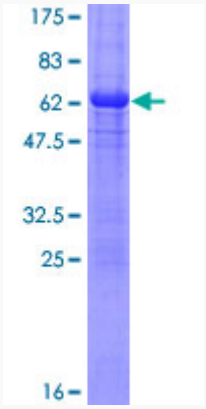
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	CKVDEFNVSSPQFVGNLRESPLGQEKALEQILEYELLLIQQLNFHLIVHNPYRPFEGF LIDLKTRYPILENPEILRKTADDFLNRIALTDAYLLYTPSQIALTAILSSASRAGITMESYL SESLMLKENRTCLSQLLDIMKSMRNLVKKYEPPRSEEVAVLKQKLERCHSAELALNV ITKKRKGYEDDDYVSKKSKHEEEEWTDDDLVESL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CCNH cyclin H [Homo sapiens]
Official Symbol	CCNH
Synonyms	CCNH; cyclin H; cyclin-H; CAK complex subunit; CDK activating kinase complex subunit; cyclin dependent kinase activating kinase complex subunit; MO15 associated protein; p34; p37; MO15-associated protein; CDK-activating kinase complex subunit; cyclin-dependent kinase-activating kinase complex subunit; CAK;
Gene ID	902
mRNA Refseq	NM_001199189
Protein Refseq	NP_001186118

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MIM	601953
UniProt ID	P51946
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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