

Datasheet for ABIN6699745
Cyclin H Protein (CCNH) (GST tag)



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Overview

Quantity:	20 µg
Target:	Cyclin H (CCNH)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cyclin H protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	CyclinH recombinant protein-GST fusion protein
Purification:	Recombinant full length human CyclinH was expressed in insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	Cyclin H (CCNH)
Alternative Name:	CCNH (CCNH Products)
Background:	Synonyms: CCNH, CAK, p34, p37, Cyclin-H, MO15-associated protein Background: Cyclin H is related to the highly conserved cyclin family. Cyclin family members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins

Target Details

function as regulators of CDK kinases. Cyclin H forms a complex with CDK7 kinase and the ring finger protein MAT1 which is able to phosphorylate CDK2 and CDC2 kinases and thus act as a CDK-activating kinase (CAK) (1). Cdk-activating kinase complex is a component of human transcription factor TFIIH and plays an important role in the processes of transcription, DNA repair, and cell cycle progression (2). Cyclin H Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, and Cell Cycle research.

NCBI Accession: [NM_001239](#)

Pathways: [Cell Division Cycle, Mitotic G1-G1/S Phases, M Phase](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: CyclinH Protein is suitable for use in Western Blot. Expect a band approximately ~ 39 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.1 µg/µL

Buffer: CyclinH Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months