

Datasheet for 009-001-R80S

CyclinH protein-GST fusion**Overview**

Description:	CyclinH recombinant protein-GST fusion protein - 009-001-R80S
Item No.:	009-001-R80S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

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 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.
Synonyms:	CCNH, CAK, p34, p37, Cyclin-H, MO15-associated protein
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	CCNH
Purity/Specificity:	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.
Relevant Links:	NCBI - NM_001239

Application Details

Application Note:	CyclinH Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. CyclinH Protein is suitable for use in Western Blot. Expect a band approximately ~ 39kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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