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Datasheet for 009-001-R79S

CyclinE1 protein-GST fusion

Overview

Description:	CyclinE1 recombinant protein-GST fusion protein - 009-001-R79S
Item No.:	009-001-R79S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	Cyclin E1 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle that functions as regulators of CDK kinases. Cyclin E1 activity is required for centrosome duplication during S phase and this mechanism could coordinate centrosome reproduction with cycles of DNA synthesis and mitosis (1). The downregulation of cyclin E-CDK2 kinase activity following the G1/S-phase transition that is necessary for the maintenance of karyotypic stability. Cyclin E also has a modular centrosomal-targeting domain which is essential for promoting S phase entry in a Cdk2-independent manner (2). Cyclin E1 Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, and Cell Cycle research.
Synonyms:	CCNE1, CCNE, G1/S-specific cyclin-E1
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	CCNE1
Purity/Specificity:	Recombinant full-length human CyclinE1 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Relevant Links:	• NCBI - NM_001238

Application Details

Application Note:	CyclinE1 is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. CyclinE1 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~ 73kDa 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:	0.2 µg/µL by UV absorbance at 280 nm
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.

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