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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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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