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Datasheet for 009-001-R62S

CDK11B (CDC2L1) protein-GST fusion

Overview

Description:	CDK11B (CDC2L1) recombinant protein-GST fusion protein - 009-001-R62S
Item No.:	009-001-R62S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	CDC2L1 is a member of the p34Cdc2 protein kinase family. p34Cdc2 protein kinase family is known to be essential for eukaryotic cell cycle control. CDC2L1 is well conserved evolutionarily and is regulated during murine embryogenesis. CDC2L1 activity is coordinately regulated with that of p34 (cdc2) during the cell cycle (1). The protein kinase encoded by CDC2L1 can be cleaved by caspases and is demonstrated to play roles in cell apoptosis (2). CDC2L1 Protein is ideal for investigators involved in Signaling Proteins, Cell Cylce Proteins, Cancer, Cell Cycle, and Ser/Thr Kinases research.
Synonyms:	CDC2L1, CDK11-p110, CDK11-p46, p58CDC2L1, CLK-1, CDK11-p58, p58CLK-1, p58, PK58, Cyclin-dependent kinase 11B, Cell division cycle 2-like protein kinase 1, Cell division protein kinase 11B, Galactosyltransferase-associated protein kinase p58/GTA, PITSLRE serine/threonine-protein kinase CDC2L1, p58 CLK-1
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	CDK11B
Purity/Specificity:	Recombinant full-length human CDK11B (CDC2L1) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >70% by densitometry.
Relevant Links:	• NCBI - NM_033486

Application Details

Application Note:	CDC2L1 Protein is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. CDC2L1 Protein is suitable for use in Western Blot. Expect a band approximately ~ 135kDa 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:	0.05 mg/mL 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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