

Datasheet for 009-001-R65S**CDK5P35 protein-GST fusion****Overview**

Description:	CDK5P35 recombinant protein-GST fusion protein - 009-001-R65S
Item No.:	009-001-R65S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	CDK5P35 is a neuron-specific activator of cyclin-dependent kinase 5 (CDK5) that bind to cyclin to form active holoenzymes that play a pivotal role in the regulation of the eukaryotic cell cycle .The activation of CDK5 is required for proper development of the central nervous system. p35 is a regulatory subunit for CDK5 which is proteolytically cleaved by calpain and generating a p25 form that involved in the pathogenesis of cytoskeletal abnormalities and neuronal death in neurodegenerative diseases (1). Cdk/p35 plays a role in primary afferent nociceptive signaling and is required for cortical plate neurons to migrate past preexisting neurons and take up superficial positions to constitute the inside-outside layering order of cortical lamination(2). CDK5P35 Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, Cell Cycle, and Ser/Thr Kinases research.
Synonyms:	p35, CDK5R1, CDK5R, NCK5A, p35nck5a, Cyclin-dependent kinase 5 activator 1, p35,
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	CDK5R, NCK5A
Purity/Specificity:	Recombinant full-length human CDK5P35 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_003885

Application Details

Application Note:	CDK5P35 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. CDK5P35 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~ 60kDa 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
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.

