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Datasheet for 009-001-R67S

CDKL2 protein-GST fusion

Overview

Description:	CDKL2 recombinant protein-GST fusion protein - 009-001-R67S
Item No.:	009-001-R67S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	CDKL2 or cyclin-dependent kinase-like 2 is a member of a large family of CDC2-related serine/threonine protein kinases that is postnatally expressed in various brain regions. The extremely high CDKL2 expression in brain regions suggests that it has a role in cognition and emotion. CDKL2 transcripts increase in the deep cerebellar nuclei of the rabbit after eyeblink conditioning, a model of associative learning and memory CDKL2, also known as p56 KKIAMRE, accumulates primarily in the cytoplasm with lower levels in the nucleus (1). CDKL2 or p56, and the related protein kinase had a similar pattern of mRNA expression except in the reproductive organs. CDKL2 is expressed in several human tissues, with the highest expression in testis and kidney (2). CDKL2 Protein is ideal for investigators involved in Signaling Protein, Cellular Proteins, Cancer, Cell Cycle, and Ser/Thr Kinases research.
Synonyms:	KKIAMRE, P56, Cyclin-dependent kinase-like 2, Protein kinase p56 KKIAMRE, Serine/threonine-protein kinase KKIAMRE
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	CDKL2
Purity/Specificity:	Recombinant full-length human CDKL2 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.
Relevant Links:	• 009-001-R67 SDS

- NCBI - NM_003948

Application Details

Application Note:	CDKL2 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. CDKL2 Protein is suitable for use in Western Blot. Expect a band approximately ~ 81kDa 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

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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