

Datasheet for 009-001-S83S

PCTK1 protein-GST fusion**Overview**

Description:	PCTK1 recombinant protein-GST fusion protein - 009-001-S83S
Item No.:	009-001-S83S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	PCTK1 or Pctaire protein kinase 1 belongs to the CDC2/CDKX subfamily of the Ser/Thr family of protein kinases which play a main role in signal transduction cascades in terminally differentiated cells, in exocytosis and in transport of secretory cargo from the endoplasmic reticulum. PCTK1 is ubiquitously expressed with the highest levels detected in the brain and testis (1). PCTK1 maps distal to the t(X;18) synovial sarcoma breakpoint in Xp11.23. A 420-kb YAC clone positive for PCTK1 also contained the gene coding for ubiquitin-activating enzyme UBE1 previously mapped to Xp11.3. (2). PCTK1 is thought to escape X inactivation. PCTK1 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, Cell Cycle, and Ser/Thr Kinases research.
Synonyms:	FLJ16665, PCTAIRE, PCTAIRE1, PCTGAIRE, Cyclin-dependent kinase 16
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	CDK16
Purity/Specificity:	Recombinant human PCTK1 (107-end) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Relevant Links:	NCBI - NM_006201

Application Details

Application Note:	PCTK1 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. PCTK1 Protein is suitable for use in Western Blot. Expect a band approximately ~62kDa 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.

