

Datasheet for 009-001-T09S**PTK7 protein-GST fusion****Overview**

Description:	PTK7 recombinant protein-GST fusion protein - 009-001-T09S
Item No.:	009-001-T09S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	PTK7 or pseudo protein tyrosine kinase 7 is a member of the receptor protein tyrosine kinase family of proteins that transduce extracellular signals across the cell membrane. PTK7 lacks detectable catalytic tyrosine kinase activity but is involved in the WNT signaling pathway and plays a role in multiple cellular processes including polarity and adhesion (1). PTK7 interacts with β -catenin and functions upstream from glycogen synthase kinase 3. PTK7 has been isolated from colon carcinoma and was designated colon carcinoma kinase-4 (2). In conjunction with other T cell markers, PTK7 has utility as a biomarker for detecting minimal residual disease of T-ALL in the bone marrow. PTK7 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, ERK/MAPK Pathway, Inflammation, Invasion/Metastasis, and Neurobiology research.
Synonyms:	CCK-4, CCK4, Inactive tyrosine-protein kinase 7, Colon carcinoma kinase 4, CCK-4, Protein-tyrosine kinase 7, Pseudo tyrosine kinase receptor 7, Tyrosine-protein kinase-like 7
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	PTK7
Purity/Specificity:	Recombinant human PTK7 (726-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_002821

Application Details

Application Note:	PTK7 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. PTK7 Protein is suitable for use in Western Blot. Expect a band approximately ~66kDa 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.

