

Datasheet for 009-001-T10S**PTK9 protein-GST fusion****Overview**

Description:	PTK9 recombinant protein-GST fusion protein - 009-001-T10S
Item No.:	009-001-T10S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	PTK9 is an actin monomer-binding protein conserved from yeast to mammals which has been localized to cortical G-actin-rich structures that may be regulated by the small GTPase RAC1. PTK9 has tyrosine kinase activity similar to that of recombinant FGFR2, with optimal activity over pH 6.5 to 7.4 and a preference for manganese over magnesium as a divalent cofactor (1). PTK9 plays a central role in regulation of actin dynamics and cell motility in lymphoma cell homeostasis in vivo and represent as a bona fide lymphoma drug target (2). PTK9 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, ERK/MAPK Pathway, Inflammation, Invasion/Metastasis, and Neurobiology research.
Synonyms:	Twinfilin 1, TWF1, A6, Twinfilin-1, Protein A6, Protein tyrosine kinase 9, TWF1, PTK9
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	TWF1
Purity/Specificity:	Recombinant human PTK9 (2-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_002822

Application Details

Application Note:	PTK9 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. PTK9 Protein is suitable for use in Western Blot. Expect a band approximately ~64kDa 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

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