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## Datasheet for ABIN6700770 **TWF1 Protein (GST tag)**

### Overview

Quantity:	20 µg
Target:	TWF1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TWF1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	PTK9 recombinant protein-GST fusion protein
Purification:	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.
Purity:	>95%

### Target Details

Target:	TWF1
Alternative Name:	TWF1 ( <a href="#">TWF1 Products</a> )
Background:	Synonyms: Twinfilin 1, TWF1, A6, Twinfilin-1, Protein A6, Protein tyrosine kinase 9, TWF1, PTK9 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

## Target Details

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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.

NCBI Accession: [NM\\_002822](#)

Pathways: [Regulation of Actin Filament Polymerization, Maintenance of Protein Location](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: PTK9 Protein is suitable for use in Western Blot. Expect a band approximately ~64 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.1 µg/µL

Buffer: PTEK9 Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months