Datasheet for ABIN6700437

PTK7 Protein (GST tag)

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Overview

Quantity:	20 µg
Target:	PTK7
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTK7 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	PTK7 recombinant protein-GST fusion protein
Purification:	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.
Purity:	>95%

Target Details

Target:	PTK7
Alternative Name:	PTK7 (PTK7 Products)
Background:	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 Background: PTK7 or pseudo protein tyrosine kinase 7 is a member of the receptor protein

Target Details

	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.
NCBI Accession:	NM_002821
Pathways:	RTK Signaling, Tube Formation

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: PTK7 Protein is suitable for use in Western Blot. Expect a band approximately ~66 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 μg/μL
Buffer:	PTEK7 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