Datasheet for ABIN6700423

PKDCC Protein (GST tag)

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Overview

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

Product Details

Purpose:	VLK recombinant protein-GST fusion protein
Purification:	Recombinant human VLK (129-end) was expressed by baculovirus in Sf9 insect cells using an N-Terminal his epitope. The purity was determined to be >70% by densitometry.
Purity:	>70%

Target Details

Target:	PKDCC
Alternative Name:	PKDCC (PKDCC Products)
Background:	Synonyms: SGK493, PKDCC, Protein kinase domain-containing protein, cytoplasmic, Protein kinase-like protein SgK493, Sugen kinase 493, Vertebrate lonesome kinase Background: VLK or vertebrate lonesome kinase is a protein kinase which is first expressed in E-cadherin-positive anterior visceral endoderm and mesendoderm, and later its expression is

Target Details

	confined to E-cadherin-negative mesenchyme. VLK regulates the rate of protein export from the Golgi and thereby plays an important role in the formation of functional stroma by mesenchymal cells (1). Targeted disruption of VLK leads to a defect in lung development and delayed ossification of endochondral bone. VLK deficient mice display neonatal lethality due to respiratory failure, with a suckling defect arising from a cleft palate. VLK is required for the appropriate timing of flat proliferative chondrocyte differentiation (2). VLK Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, Cytoplasmic Tyrosine Kinases, Invasion/Metastasis, Neurobiology, and Ser/Thr Kinases research.
NCBI Accession:	NM_138370

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: VLK Protein is suitable for use in Western Blot. Expect a band approximately ~69 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:	0.05 µg/µL
Buffer:	VLK 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