

Datasheet for ABIN6699779 **CDKL5 Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	CDKL5
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDKL5 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	STK9 recombinant protein-GST fusion protein
Purification:	Recombinant human STK9 (CDKL5) (1-498) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

Target Details

Target:	CDKL5
Alternative Name:	CDKL5 (CDKL5 Products)
Background:	Synonyms: CDKL5, EIEE2, ISSX, Cyclin-dependent kinase-like 5, STK9 Background: STK9 or CDKL5 is a member of Ser/Thr protein kinase family which has protein kinase activity and is associated with X-linked infantile spasm syndrome (ISSX), also known as

Target Details

X-linked West syndrome, and Rett syndrome (RTT). STK9 can control nuclear speckle morphology by regulating the phosphorylation state of splicing regulatory proteins, and may be involved indirectly in pre-mRNA processing, by controlling splicing factor dynamics (1). The mutations in the STK9 are a major cause of infantile spasms and early epileptic seizures in female patients, and of a later intractable seizure disorder (2). STK9 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cardiovascular Disease, ERK/MAPK Pathway, Neurobiology, PKA/PKC Pathway, and Ser/Thr Kinases research.

NCBI Accession: [NM_003159](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: STK9 Protein is suitable for use in Western Blot. Expect a band approximately ~84 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: STK9 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