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Datasheet for ABIN6699741 **CDKL2 Protein (GST tag)**

Overview

Quantity:	20 µg
Target:	CDKL2
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDKL2 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	CDKL2 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human CDKL2 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.
Purity:	>80%

Target Details

Target:	CDKL2
Alternative Name:	CDKL2 (CDKL2 Products)
Background:	Synonyms: KKIAMRE, P56, Cyclin-dependent kinase-like 2, Protein kinase p56 KKIAMRE, Serine/threonine-protein kinase KKIAMRE Background: CDKL2 or cyclin-dependent kinase-like 2 is a member of a large family of CDC2-

Target Details

related serine/threonine protein kinases that is postnatally expressed in various brain regions. The extremely high CDKL2 expression in brain regions suggests that it has a role in cognition and emotion. CDKL2 transcripts increase in the deep cerebellar nuclei of the rabbit after eyeblink conditioning, a model of associative learning and memory CDKL2, also known as p56 KKIAMRE, accumulates primarily in the cytoplasm with lower levels in the nucleus (1). CDKL2 or p56, and the related protein kinase had a similar pattern of mRNA expression except in the reproductive organs. CDKL2 is expressed in several human tissues, with the highest expression in testis and kidney (2). CDKL2 Protein is ideal for investigators involved in Signaling Protein, Cellular Proteins, Cancer, Cell Cycle, and Ser/Thr Kinases research.

NCBI Accession: [NM_003948](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: CDKL2 Protein is suitable for use in Western Blot. Expect a band approximately ~ 81 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: CDKL2 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