

Datasheet for ABIN6699761 **CDK5R1 Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	CDK5R1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK5R1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	CDK5P35 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human CDK5P35 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >70% by densitometry.
Purity:	>70%

Target Details

Target:	CDK5R1
Alternative Name:	CDK5R (CDK5R1 Products)
Background:	Synonyms: p35, CDK5R1, CDK5R, NCK5A, p35nck5a, Cyclin-dependent kinase 5 activator 1, p35, Background: CDK5P35 is a neuron-specific activator of cyclin-dependent kinase 5 (CDK5) that

Target Details

bind to cyclin to form active holoenzymes that play a pivotal role in the regulation of the eukaryotic cell cycle. The activation of CDK5 is required for proper development of the central nervous system. p35 is a regulatory subunit for CDK5 which is proteolytically cleaved by calpain and generating a p25 form that involved in the pathogenesis of cytoskeletal abnormalities and neuronal death in neurodegenerative diseases (1). Cdk/p35 plays a role in primary afferent nociceptive signaling and is required for cortical plate neurons to migrate past preexisting neurons and take up superficial positions to constitute the inside-outside layering order of cortical lamination(2). CDK5P35 Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, Cell Cycle, and Ser/Thr Kinases research.

NCBI Accession: [NM_003885](#)

Pathways: [Stem Cell Maintenance](#), [Regulation of Cell Size](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Other: Kinase Assay-User Optimized
Application_Note: CDK5P35 Protein is suitable for use in Western Blot and Kinase Assay.
Expect a band approximately ~ 60 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: 0.2 µg/µL

Buffer: CDK5P35 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