

Datasheet for ABIN7317068

DCLK1 Protein (AA 1-705) (GST tag,His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	DCLK1
Protein Characteristics:	AA 1-705
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This DCLK1 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human DCAMKL1 Protein (aa 1-705, His & GST Tag)(Active)
Sequence:	Met 1-Val 705
Characteristics:	A DNA sequence encoding the human DCLK1 (O15075-1) (Met 1-Val 705) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 84 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 6.1 nmol/min/mg using synthetic Autocamtide-2 peptide (KKALRRQETVDAL-amide) as substrate.

Target Details

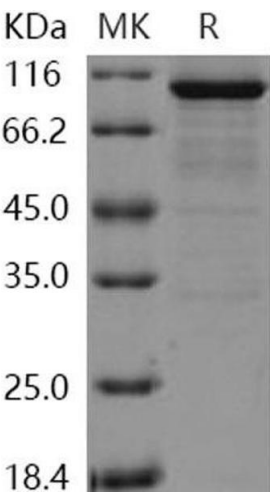
Target:	DCLK1
Alternative Name:	DCAMKL1 (DCLK1 Products)
Background:	<p>Background: DCAMKL1, also known as DCLK1, is a member of the protein kinase superfamily and the doublecortin family. It contains two N-terminal doublecortin domains, which bind microtubules and regulate microtubule polymerization, a C-terminal serine/threonine protein kinase domain, which shows substantial homology to Ca²⁺/calmodulin-dependent protein kinase, and a serine/proline-rich domain in between the doublecortin and the protein kinase domains, which mediates multiple protein-protein interactions. DCAMKL1 is involved in several different cellular processes, including neuronal migration, retrograde transport, neuronal apoptosis and neurogenesis. Its microtubule-polymerizing activity is independent of its protein kinase activity. DCAMKL1 may be involved in a calcium-signaling pathway controlling neuronal migration in the developing brain. It may also participate in functions of the mature nervous system.</p> <p>Synonym: CL1,CLICK1,DCAMKL1,DCDC3A,DCLK</p>
Molecular Weight:	106 kDa

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol, 0.5 mM PMSF
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.