

# Human DCAMKL1/DCLK1 (aa 1-705, His & GST Tag) recombinant protein



Catalog Number: 500903

## General Information

### Gene Name Synonym

EC 2.7.11.1; Doublecortin domain-containing protein 3A; Doublecortin-like and CAM kinase-like 1; Doublecortin-like kinase 1

### Protein Construction

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.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

The specific activity was determined to be 6.1 nmol/min/mg using synthetic Autocamtide-2 peptide (KKALRRQETVDAL-amide) as substrate.

### Purity

> 84 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

## Molecular Mass

The recombinant human DCLK1/GST chimera consists of 942 amino acids and has a calculated molecular mass of 106 KDa. It migrates as an approximately 105 KDa band as predicted in SDS-PAGE under reducing conditions.

## Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly, 0.5mM PMSF

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

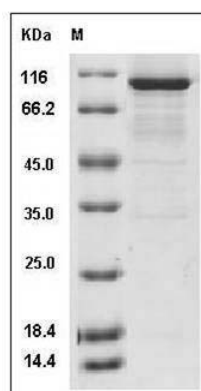
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human DCAMKL1 / DCLK1 Protein (aa 1-705, His & GST Tag) SDS-PAGE