

Bioactive

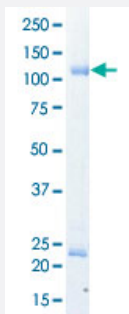
Full-Length

DCLK1 (Human) Recombinant Protein

Catalog # P5532

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human DCLK1 (NP_004725.1, 1 a.a. - 729 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	108
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	58 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: GS peptide. ATP: 1000 uM
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — DCLK1

Entrez GeneID	9201
Protein Accession#	NP_004725.1
Gene Name	DCLK1
Gene Alias	DCAMKL1, DCDC3A, DCLK, KIAA0369
Gene Description	doublecortin-like kinase 1
Omim ID	604742
Gene Ontology	Hyperlink
Gene Summary	DCAMKL1 is a microtubule-associated protein that phosphorylates itself and myelin basic protein (MBP; MIM 159430). DCAMKL1 has microtubule polymerizing activity that is independent of its protein kinase activity (Lin et al., 2000 [PubMed 11124993]).[supplied by OMIM]
Other Designations	OTTHUMP00000018250 doublecortin and CaM kinase-like 1

Disease

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