

Product datasheet

Recombinant human DCAMKL1 protein ab101777

[2 Images](#)

Overview

| | |
|-----------------------|-----------------------------------|
| Product name | Recombinant human DCAMKL1 protein |
| Protein length | Full length protein |

Description

| | |
|----------------------------|------------------------|
| Nature | Recombinant |
| Source | Baculovirus |
| Amino Acid Sequence | |
| Accession | O15075 |
| Species | Human |
| Molecular weight | 110 kDa including tags |
| Amino acids | 1 to 740 |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab101777** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|----------------------------|--|
| Biological activity | The Specific activity of ab101777 was determined to be 3.4 nmol/min/mg. |
| Applications | Western blot Functional Studies |
| Form | Liquid |
| Additional notes | ab188554 (CaMKII peptide) can be utilized as a substrate for assessing Kinase activity |

Preparation and Storage

| | |
|------------------------------|---|
| Stability and Storage | Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5 This product is an active protein and may elicit a biological response in vivo, handle with caution. |
|------------------------------|---|

General Info

Function

Probable kinase that may be involved in a calcium-signaling pathway controlling neuronal migration in the developing brain. May also participate in functions of the mature nervous system.

Tissue specificity

In fetal tissues, highly expressed in brain, detectable in lung and liver, but not in kidney. In adult tissues, expressed ubiquitously in the brain, detectable in the heart, liver, spleen, thymus, prostate, testis, ovary, small intestine and colon. The type A isoforms seem to be expressed predominantly in fetal brain whereas type B isoforms are expressed abundantly in both fetal and adult brain.

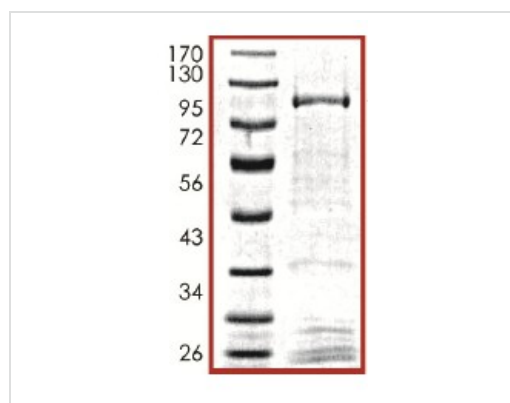
Sequence similarities

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily.

Contains 2 doublecortin domains.

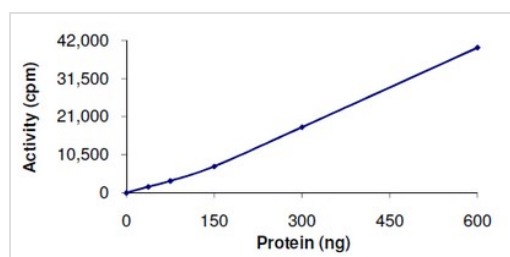
Contains 1 protein kinase domain.

Images



SDS-PAGE - DCAMKL1 protein (ab101777)

SDS-PAGE showing ab101777 at approximately 110kDa.



Functional Studies - DCAMKL1 protein (ab101777)

The Specific activity of ab101777 was determined to be 3.4 nmol/min/mg.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors