

RP03362LQ

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Recombinant Human Doublecortin-like kinase 1/DCLK1 Kinase

Catalog No.: RP03362LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Baculovirus- Insect Cells	9201	O15075

Tags
N-GST

Synonyms

DCLK1; DCAMKL1; DCDC3A; KIAA0369; Doublecortin-like kinase 1; Doublecortin domain-containing protein 3A

Product Information

Source	Purification
	≥ 80 % as determined by SDS-PAGE; ≥ 80 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 5% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution

Please use running water to thaw it quickly.

Contact



www.abclonal.com

Background

Doublecortin-like kinase protein 1 (DCLK1) is an enzyme that in humans is encoded by the DCLK1 gene. Its C-terminal domain in rats is expressed independently from an alternative transcript, cpq16, and can function alone as a serine/threonine protein kinase that is cyclic AMP dependent. DCLK1 expression is a marker for tuft cells, a type of chemosensory cell of the intestinal epithelium.

Basic Information

Description

Recombinant Human Doublecortin-like kinase 1/DCLK1 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ser2-Phe740) of Human DCLK1 (Accession #O15075) fused with a N-GST tag.

Bio-Activity

The activity of DCAMKL1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

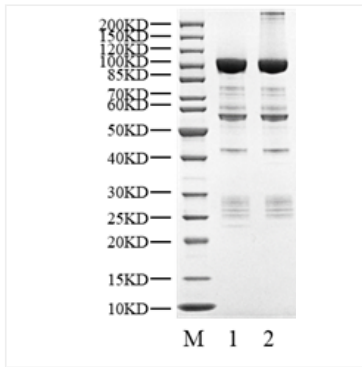
Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

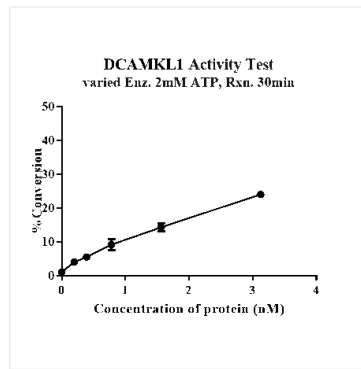
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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Validation Data



Recombinant Human Doublecortin-like kinase 1/DCLK1 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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