Recombinant Human Doublecortin-like kinase 1 /DCLK1 Kinase

Catalog No.: RP03362LQ

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Sequence Information

Species	Gene ID
Human	9201
Swiss Prot	**Tags**
O15075	N-GST

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

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 80 % as determined by SDS-PAGE;≥ 80 % as determined by HPLC.
Calculated MW	**Observed MW**
108.7 kDa	90-110 kDa

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.

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, cpg16, 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.

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
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

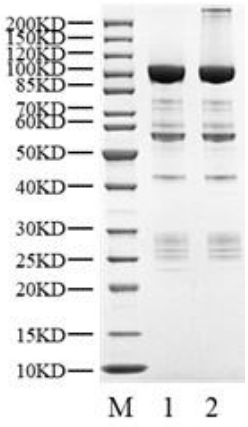
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

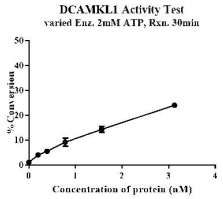
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Validation Data



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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