

Recombinant Mouse Dclk3 Protein, His-tagged

Cat. No. Dclk3-1321M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Dclk3 Protein (Asp635-Ser790) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asp635-Ser790
Description	This gene encodes a member of the protein kinase superfamily and the doublecortin family. Differently from the other two closely related family members (DCLK1 and DCLK2), the protein encoded by this gene contains only one N-terminal doublecortin domain and is unable to bind microtubules and to regulate microtubule polymerization. The protein contains a C-terminal serine/threonine protein kinase domain, which shows substantial homology to Ca²⁺/calmoduline-dependent protein kinase, and a serine/proline-rich domain in between the doublecortin and the protein kinase domains, which mediates multiple protein-protein interactions.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.4 kDa Accurate Molecular Mass: 21 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Dclk3 doublecortin-like kinase 3 [Mus musculus (house mouse)]
Official Symbol	Dclk3
Synonyms	DCLK3; doublecortin-like kinase 3; serine/threonine-protein kinase DCLK3; CLr; Click-I, -II related; CLICK-I and II-related; doublecortin and CaM kinase-like 3; doublecortin-like and CAM kinase-like 3; Dcamkl3; BC056929; C730036H08;
Gene ID	245038
mRNA Refseq	NM_172928
Protein Refseq	NP_766516
UniProt ID	Q8BWQ5

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