Recombinant Human DCAMKL2 (N-GST tag)

Cat No:HR2R1322

For research use only

Overview

Quantity	10 ?g
Gene Symbol	DCAMKL2
Gene ID	N/A
Accession	NM_001040261
Alternative Name	DCLK2; DCK2; DCDC3; DCDC3B; DKFZp761I032; MGC45428
Species	Human
Source	Insect cells
Description	DCAMKL2 (also known as doublecortin-like kinase 2 or DCLK2) is a close homologue of doublecortin or DCX which is associated with intractable epilepsy in humans, due to a severe disorganization of the neocortex and hippocampus known as classical lissencephaly. DCX; DCLK2-null mice display frequent spontaneous seizures that originate in the hippocampus, with most animals dying in the first few months of life. DCX and DCLK2 are co-expressed in developing hippocampus, and, in their absence, there is dosage-dependent disrupted hippocampal lamination associated with a cell-autonomous simplification of pyramidal dendritic arborizations leading to reduced inhibitory synaptic tone .?
Functions	The specific activity of DCAMKL2 was determined to be 94 nmol /min/mg as per activity assay protocol
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	105
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.