

Product datasheet for TP526382

Dclk2 (NM_001195496) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse doublecortin-like kinase 2 (Dclk2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR226382 representing NM_001195496
Red=Cloning site **Green**=Tags(s)

MASTRSIELEHFEERDKRPRPGSRRGAPSSSGSSISGPKGNGLIPSPAHSAHCSFYRTRTLQALSSEKK
AKKARFYRNGDRYFKGLVFAISNDRFRSFDALLIELTRSLSDNVNLPQGVRTIYTIDGSRKVTSLDELLE
GESYVCASNEPFRKVDYTKNVNPNWSVNIKGGTTRTLAVASAKSEVKESKDFIKPKLVTVIRSGVKPRKA
VRILLNKKTAHSFEQVLT DITEAIKLD SGVVKRLCTLDGKQVTC LQDFFGDDDDVFIACGPEKYRYAQDDF
VLDHSECRVLKSSYSRASA AKYSGSRSPGFSRRSKSPASVKRAGHSSAYSTAKSPVNGTPSSQLSTPKST
KSSSSSPTSPGSRGLKISAQGRSSSNVNGGPELDRCLSPG VNGNRCSESPFLLEKYRIGKVI GDNFA
VWKECDRYTGKEFALKIIDKAKCCGKEHLIENEVSILRRVKHPNIIMLVEEMETATDLFLVMELVKGGD
LFD AITSSTKYTERDGSAMVYNLANALRYLHLSIVHRDIKPENLLVCEYPDGTKSLKLGDFGLATVVEG
PLYTVCGTPTYVAPEIIAETGYGLKVDVWAAGVITYILLCGFPFRSENNLQEDLFDQILAGKLEFPAPY
WDNITDSAKELISQMLQVNVEARCTAGEILSHPWVSDDASQENNMQAEVTGK LKQHFNALPKQNSTTTG
VSVIMNTALDKEGQIFCSKLCQDSSRPSREQTSPVPPSAQEAPPPLESRPPGPPATSGCDLAGTWRRHR
D

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 84.9 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001182425
Locus ID:	70762
UniProt ID:	Q6PGN3
RefSeq Size:	4092
Cytogenetics:	3 F1
RefSeq ORF:	2313
Synonyms:	6330415M09Rik; AU044875; CL2; Clic; Click-II; CLICK2; Dcamk; Dcamk12
Summary:	<p>This gene encodes a member of the protein kinase superfamily and the doublecortin family. The protein encoded by this gene contains two N-terminal doublecortin domains, which bind microtubules and regulate microtubule polymerization, 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. The microtubule-polymerizing activity of the encoded protein is independent of its protein kinase activity. This gene and the DCX gene, another family member, share function in the establishment of hippocampal organization and their absence results in a severe epileptic phenotype and lethality, as described in human patients with lissencephaly. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Sep 2010]</p>