

Datasheet for ABIN7564134
DCLK2 Protein (AA 1-756) (His tag)



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Overview

Quantity:	1 mg
Target:	DCLK2
Protein Characteristics:	AA 1-756
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DCLK2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dclk2 Protein expressed in mammalian cells.
Sequence:	MASTRSIELE HFEERDKRPR PGSRRGAPSS SGGSSISGPK GNGLIPSPAH SAHCSFYRTR TLQALSSEKK AKKARFYRNG DRYFKGLVFA ISNDRFRSFD ALLIELTRSL SDNVNLPQGV RTIYTIDGSR KVTSLDELLE GESYVCASNE PFRKVDYTKN VNPNWSVNIK GGTTRTLAVA SAKSEVKESK DFIKPKLVTV IRSGVKPRKA VRILLNKKTA HSFEQVLTDI TEAIKLDSGV VKRLCTLDGK QVTCLQDFFG DDDVFIACGP EKYRYAQDDF VLDHSECRVL KSSYSRASAA KYSGRSPGF SRRSKSPASV NGTPSSQLST PKSTKSSSSS PTSPGSFRGL KQISAQGRSS SNVNGGPELD RCLSPGVNG NRCSEFPLL EKYRIGKVIC DGNFAVVKEC VDRYTGKEFA LKIIDKAKCC GKEHLIENEV SILRRVKHPN IIMLVEEMET ATDLFLVMEL VKGGDLFDAI TSSTKYTERD GSAMVYNLAN ALRYLHLSI VHRDIKPENL LVCEYPDGTK SLKLGDFGLA TVVEGPLYTV CGTPTYVAPE IIAETGYGLK VDWAAAGVIT YILLCGFPPF RSENNLQEDL FDQILAGKLE FPAPYWDNIT DSAKELISQM LQVNVEARCT AGEILSHPWV SDDASQENNM QAEVTGKLGKQ HFNNALPKQN STTTGVSVIM NTALDKEGQI FCSKLCQDSS RPSREQTSPV

Product Details

PPSAQEAPPP LESPRPPGPP ATSGCDLAGT WRRHRD **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: DCLK2

Alternative Name: Dclk2 ([DCLK2 Products](#))

Background: Serine/threonine-protein kinase DCLK2 (EC 2.7.11.1) (CaMK-like CREB regulatory kinase 2) (CL2) (CLICK-II) (CLICK2) (Doublecortin-like and CAM kinase-like 2) (Doublecortin-like kinase 2),FUNCTION: Protein kinase with a significantly reduced Ca(2+)+/CAM affinity and dependence compared to other members of the CaMK family. May play a role in the down-regulation of CRE-dependent gene activation probably by phosphorylation of the CREB coactivator CRTC2/TORC2 and the resulting retention of TORC2 in the cytoplasm. {ECO:0000269|PubMed:16684769}.

Target Details

Molecular Weight: 83.0 kDa

UniProt: [Q6PGN3](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months