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Datasheet for ABIN7547048

Doublecortin Protein (DCX) (AA 1-365) (His tag)

Overview

Quantity:	1 mg
Target:	Doublecortin (DCX)
Protein Characteristics:	AA 1-365
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Doublecortin protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat DCX Protein expressed in mammalian cells.
Sequence:	MELDFGHFDE RDKTSRNMGRG SRMNGLPSPS HSAHCSFYRT RTLQALSNEK KAKKVRFYRN GDRYFKGIVY AVSSDRFRSF DALLADLTRS LSDNINLPQG VRYIYTIDGS RKIGSMDELE EGESYVCSSD NFFKKVEYTK NVNPNWSVNV KTSANMKAPQ SLASSNSAQA RENKDFVRPK LVTIIRSGVK PRKAVRVLLN KKTAHSFEQV LTDITEAIKL ETGVVKKLYT LDGKQVTCLH DFFGDDDVFI ACGPEKFRYA QDDFSLDENE CRVMKGNPSA TAGPKASPTP QKTSAKSPGP MRRSKSPADS GNDQDANGTS SSQSLSTPKSK QSPISTPTSP GSLRKHKDLY LPLSLDDSDS LGDSM 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.
Characteristics:	Key Benefits:

Product Details

- 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, Western Blot

Grade: custom-made

Target Details

Target: Doublecortin (DCX)

Alternative Name: DCX ([DCX Products](#))

Background: Neuronal migration protein doublecortin (Doublin) (Lissencephalin-X) (Lis-X),FUNCTION: Microtubule-associated protein required for initial steps of neuronal dispersion and cortex lamination during cerebral cortex development. May act by competing with the putative neuronal protein kinase DCLK1 in binding to a target protein. May in that way participate in a signaling pathway that is crucial for neuronal interaction before and during migration, possibly as part of a calcium ion-dependent signal transduction pathway. May be part with PAFAH1B1/LIS-1 of overlapping, but distinct, signaling pathways that promote neuronal migration. {ECO:0000269|PubMed:22359282}.

Molecular Weight: 40.6 kDa

UniProt: [O43602](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. 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