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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

DCX (Human) Recombinant Protein (P01)

Catalog Number: H00001641-P01

Regulation Status: For research use only (RUO)

Product Description: Human DCX full-length ORF (AAH27925, 1 a.a. - 360 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MELDFGHFDERDKTSRNMGRSRMNGLPSPTHSAHCS
FYRTRTLQALSNEKKAKKVRFYRNGDRYFKGIVYAVS
SDRFRSFDALLADLTRSLSDNINLPQGVRYIYTIDGSRK
IGSMDELEEGESYVCSSDNFFKKVEYTKNVNPNWSVN
VKTSANMKAPQSLASSNSAQARENKDFVRPKLVTIIRS
GVKPRKAVRVLLNKKTAHSFEQVLT DITEAIKLETGVVK
KLYTLDGKQVTCLHDFFGDDDDVFIACGPEKFRYAQDD
FSLDENECRVMKGNPSATAGPKASPTPQKTSKSPG
PMRRSKSPADSANGTSSSQLSTPKSKQSPISPTSPG
SLRKHKDLYLPLSLDDSDSLGDSM

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 65.34

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1641

Gene Symbol: DCX

Gene Alias: DBCN, DC, LISX, SCLH, XLIS

Gene Summary: In the developing cortex, cortical neurons must migrate over long distances to reach the site of their final differentiation. The protein encoded by this gene is a cytoplasmic protein which appears to direct neuronal migration by regulating the organization and stability of microtubules. The encoded protein contains two doublecortin domains, which bind microtubules. In addition, the encoded protein interacts with LIS1, the regulatory gamma subunit of platelet activating factor acetylhydrolase, and this interaction is important to proper microtubule function in the developing cortex. Mutations in this gene are a cause of X-linked lissencephaly. Multiple transcript variants encoding at least three different isoforms have been found for this gene. [provided by RefSeq]

References:

1. LC-MS/MS identification of doublecortin as abundant beta cell-selective protein discharged by damaged beta cells in vitro. Jiang L, Brackeva B, Stangel G, Verhaeghen K, Costa O, Couillard-Despres S, Rotheneichner P, Aigner L, Van Schravendijk C, Pipeleers D, Ling Z, Gorus F, Martens GA. J Proteomics. 2013 Jan 19. doi:pii: S1874-3919(13)00022-5. 10.1016/j.jprot.2012.12.031.