

# Recombinant Human DCDC2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DCDC2-3063H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

DCDC2 MS Standard C13 and N15-labeled recombinant protein (NP\_057440) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes a doublecortin domain-containing family member. The doublecortin domain has been demonstrated to bind tubulin and enhance microtubule polymerization. This family member is thought to function in neuronal migration where it may affect the signaling of primary cilia. Mutations in this gene have been associated with reading disability (RD) type 2, also referred to as developmental dyslexia. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

### Molecular Mass

52.9 kDa

### AA Sequence

MSGSSARSSHLSQPVVKSVLVYRNGDPFYAGRRVVIHEKKVSSFEVFLKEVTGGVQ  
 APFGAVRNIYTPRTDHRIRKLDQIQSGGNYVAGGQEAFFKKNLYLDIGEIKKRPMEEV  
 NTEVKPVIHSRINVSARFRKPLQEPCTIFLIANGDLINPASRLLIPRKTNLNWDHVLQM  
 VTEKITLRSGAVHRLYTLLEGKLVESGAELENGQFYVAVGRDKFKKLPYGELLFDKST  
 MRRPFGQKASSLPPIVGSRKSKGSGNDRHSKSTVGSSDNSSPQPLKRKGGKEDVN  
 SEKLTCLKQNVKLNKNSQETIPNSDEGIFKAGAERSETRGAAEVQEDEDTQVEVPVDQ

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RPAEIVDEEEEDGEKANKDAEQKEDFSGMNGDLEEEGGREATDAPEQVEEILDHSEQ  
QARPARVNGGTDEENGEELQQVNNELQLVLDKERKSQGAGSGQDEADVDPQRPP  
RPEVKITSPEENENNQQNKDYAAVATRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** DCDC2 doublecortin domain containing 2 [ Homo sapiens (human) ]

**Official Symbol** DCDC2

**Synonyms** DCDC2; doublecortin domain containing 2; doublecortin domain-containing protein 2; DCDC2A; KIAA1154; RU2; RU2S;

**Gene ID** 51473

**mRNA Refseq** NM\_016356

**Protein Refseq** NP\_057440

**MIM** 605755

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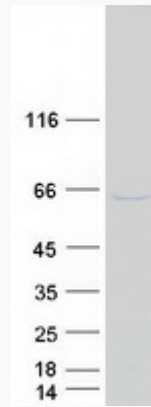
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UniProt ID

Q9UHG0

SDS-PAGE



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