

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 APFGAVRNIYTPRTDHRIRKLDQIQSGGNYVAGGQEAFFKKLNYLDIGEIKKRPMEEV NTEVKPVIHSRINVSARFRKPLQEPCTIFLIANGDLINPASRLIPRKTLNQWDHVLQM VTEKITLRSGAVHRLYTLLEGKLVESGAELENGQFYVAVGRDKFKKLPYGELLFDKST MRRPFGQKASSLPPIVGSRKSKGSGNDRHSKSTVGSSDNSSPQPLKRKGKKEDVN SEKLTCLKQNVKLKNSQETIPNSDEGIFKAGAERSETRGAAEVQEDEDTQVEVPVDQ

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RPAEIVDEEEEDGEKANKDAEQKEDFSGMNGDLEEEGGREATDAPEQVEEILDHSEQ
 QARPARVNGGTDEENGEELQQVNNELQLVLDERKKSQGAGSGQDEADVDPQRPP
 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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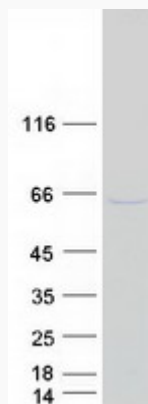
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UniProt ID

Q9UHG0

SDS-PAGE

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