

# Recombinant Full Length Human DCDC2 Protein, GST-tagged

**Cat. No.** DCDC2-2799HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DCDC2 full-length ORF ( AAH50704.1, 1 a.a. - 476 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 476 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | 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. [provided by RefSeq, Jan 2013] |
| <b>Molecular Mass</b>   | 78.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MSGSSARSSHLSQPVVKSVLVYRNGDPFYAGRRVVIHEKKVSSFVFLKEVTGGVQ<br>APFGAVRNIYTPRTDHRIRKLDQIQSGGNYVAGGQEAFFKKLNYLDIGEIKRPMEEV<br>NTEVKPVIHSRINVSARFRKPLQEPCTIFLIANGDLINPASRLLIPRKTLNQWDHVLQM<br>VTEKITLRSGAVHRLYTLLEGKLVESGAELENGQFYVAVGRDKFKKLPYGELLFDKST<br>MRRPFGQKASSLPPIVGSRKSKGSGNDRHSKSTVGSSDNSSPQPLKRKGKKEDVN<br>SEKLTCLKQNVKLKNSQETIPNSDEGIFKAGAERSETRGAAEVQEDEDQTQVEVPVDQ                                                                                                                                                                                 |

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RPAEIVDEEEEDGEKANKDAEQKEDFSGMNGDLEEEGGREATDAPEQVEEILDHSEQ  
 QARPARVNGGTDEENGEELQQVNNELQLVLDKERKSQGAGSGQDEADVDPQRPP  
 RPEVKITSPEENENNQQNKDYAAVA

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

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

## GENE INFORMATION

**Gene Name**

DCDC2 doublecortin domain containing 2 [ Homo sapiens ]

**Official Symbol**

DCDC2

**Synonyms**

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

**Gene ID**

51473

**mRNA Refseq**

NM\_001195610

**Protein Refseq**

NP\_001182539

**MIM**

605755

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UniProt ID

Q9UHG0

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