

Recombinant Human DISC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DISC1-6678H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DISC1 MS Standard C13 and N15-labeled recombinant protein (NP_061132) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein with multiple coiled coil motifs which is located in the nucleus, cytoplasm and mitochondria. The protein is involved in neurite outgrowth and cortical development through its interaction with other proteins. This gene is disrupted in a t(1;11)(q42.1;q14.3) translocation which segregates with schizophrenia and related psychiatric disorders in a large Scottish family. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Molecular Mass	93.4 kDa
AA Sequence	MPGGGPQGAPAAAGGGGVSHRAGSRDCLPPAACFRRRLARRPGYMRSSSTGPGI GFLSPAVGTLFRFPGGVSGEESHHSERARQCGLDSRGLLVRSVPVSKSAAAPTPTS VRGTSAHFGIQLRGGTRLPDRLSWPCGPGSAGWQQEFAAMDSSETLDASWEAAC SDGARRVRAAGSLPSAELSSNSCSPGCGPEVPPTPPGSHSAFTSSFSFIRLSLGSA GERGEAEGCPPSREAESHQSPQEMGAKAASLDGPHEDPRCLSRPFSLLATRVSA DLAQAAARNSSRPERDMHSLPDMDPGSSSSLDPSLAGCGGDGSSGSGDAHSWDTL LRKWEPVLRDCLLRNRRQMEVISLRLKLQKLQEDAVENDDYDKAETLQQRLEDLEQ

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EKISLHFQLPSRQPALSSFLGHLAAQVQAALRRGATQQASGDDHTPLRMEPRLLE
 PTAQDSLHVSITRRDWLLQEKQQLQKEIEALQARMFVLEAKDQQLRREIEEQEQQL
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 LSLKEITTKVCMSEKFCSTLRKKVNDIETQLPALLEAKMHAISGNHFWTAKDLTEEIRS
 LTSEREGLEGLLSKLLVLSSRNVKKLGSVKEDYNRLRREVEHQETAYETSVKENTMK
 YMETLKNKLCCKCPLLGVWEADLEACRLLIQSLQLQEQARGSLSVEDERQMDDLE
 GAAPPIPPRLHSEDKRKTPKLVLEEWKTHLIPSLHCAGGEQKEESYILSAELGEKCED
 IGKKLLYLEDQLHTAIHSHDEDLIQSLRRELQMVKETLQAMILQLQPAKEAGEREAAA
 SCMTAGVHEAQATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	DISC1 disrupted in schizophrenia 1 [Homo sapiens (human)]
Official Symbol	DISC1
Synonyms	DISC1; disrupted in schizophrenia 1; disrupted in schizophrenia 1 protein; SCZD9; C1orf136; FLJ13381; FLJ21640; FLJ25311; FLJ41105; KIAA0457;
Gene ID	27185

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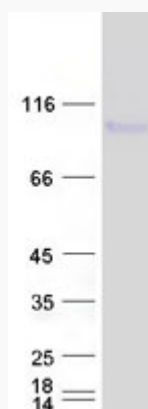
mRNA Refseq [NM_018662](#)

Protein Refseq [NP_061132](#)

MIM [605210](#)

UniProt ID [Q9NRI5](#)

SDS-PAGE



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