

Active Recombinant Full Length Human DISC1 Protein, C-Flag-tagged

Cat. No. DISC1-661HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DISC1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	ELISA binding assay
Molecular Mass	93.4 kDa
AA Sequence	MPGGGPQGAPAAAGGGGVSHRAGSRDCLPPAACFRRRRLARRPGYMRSSSTGPGI GFLSPAVGTLFRFPGG VSGEESHHSERARQCGLDSRGLLVRSVPVSKSAAAPT SVRG TSAHFGIQLRGGTRLPDRLSWPCGPS AGWQQEFAAMDSSETLDASWEAA CSDGARRVRAAGSLPSAELSSNSCSPGCGPEVPPTPPGSHSAFTSSF SFIRLSLGS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AGERGEAEGCPPSREAESHQSPQEMGAKAASLDGPHEDPRCLSRPFSLLATRVS
 ADLAQA ARNSSRPERDMHSLPMDPGSSSSLDPSLAGCGGDGSSGSGDAHSWD
 TLLRKWEPVLRDCLLRNRRQMEV ISLRLKLQKLQEDAVENDDYDKAETLQQRLEDL
 EQEKISLHFQLPSRQPALSSFLGHLAAQVQAALRRGA TQQASGDDTHTPLRMEPRL
 LEPTAQDSLHVSITRRDWLLQEKQQLQKEIEALQARMFVLEAKDQQLRREI EEQEQ
 QLQWQGCDLTPLVGQLSLGQLQEVSKALQDTLASAGQIPFHAEPETIRSLQERIKS
 LNLSLKEI TTKVCMSEKFCSTLRKKVNDIETQLPALLEAKMHAISGNHFWTAKDLTEE
 IRSLTSEREGLEGLLSKLLV LSSRNVKKLGSVKEDYNRLRREVEHQETAYETSVKEN
 TMKYMETLKNKLCSCCKPLLGKVWEADLEACRL LIQSLQLQEARGSLSVEDERQM
 DDLEGAAPPIPPRLHSEDKRKTPLKVLEEWKTHLIPSLHCAGGEQKEE SYILSAELG
 EKCEDIGKKLLYLEDQLHTAIHSHDEDLIQSLRRELQMVKETLQAMILQLQPAKEAGE
 REA
 AASCMTAGVHEAQATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

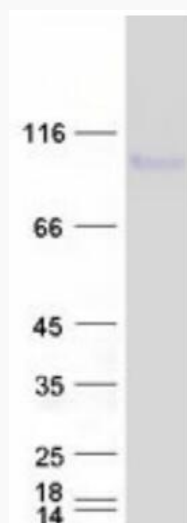
Gene Name DISC1 DISC1 scaffold protein [Homo sapiens (human)]

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Official Symbol	DISC1
Synonyms	SCZD9; C1orf136
Gene ID	27185
mRNA Refseq	NM_018662.3
Protein Refseq	NP_061132.2
MIM	605210
UniProt ID	Q9NRI5



Coomassie blue staining of purified DISC1 protein.