

Product datasheet for TP312015

DISC1 (NM_018662) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human disrupted in schizophrenia 1 (DISC1), transcript variant L, 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC212015 representing NM_018662
Red=Cloning site Green=Tags(s)

MPGGGPQGAPAAAGGGGVSHRAGSRDCLPPAACFRRRRLARRPGYMRSSSTGPGIGFLSPA VGT LFRFPGG
VSGEESHSESRARQCGLDSRGLLVRSVPVSKSAAAPT VTSVRG TSAHFGIQLRGGTRLPDRLSWPCGPGS
AGWQQEFAAMDSSSETLDASWEAACSDGARRVRAAGSLPSAELSSNSCSPGCGPEVPPTPPGSHSAFTSSF
SFIRLSLGSAGERGEAEGCPPSREAESHCSQPQEMGAKAASLDGPHEDPRCLSRPFSLLATRV SADLAQA
ARNSSRPERDMHSLPDMDPGSSSSLDPSLAGCGGDGSSGSGDAHSWDTLLRKWEPVLRDCLLRNRRQMEV
ISLRLKLQKLQEDAVENDDYDKAETLQQRLEDLEQEKISLHFQLPSRQPALSSFLGHLAAQVQAALRRGA
TQQASGDDTHTPLRMEPRLLEPTAQDSLHVSITRRDWLLQEKKQLQEIEALQARMFVLEAKDQQLRREI
EEQEQLQWQGCDLTPLVGQLSLGQLQEVSKALQDTLASAGQIPFHAEPETIRSLQERIKSLNLSLKEI
TTKVC MSEKFCSTLRKKVNDIETQLPALLEAKMHAISGNHFWTAKDLTEEIRSLTSEREGLEGLLSKLLV
LSSRNVKKLGSVKEDYNRLRREVEHQETAYETSVKENTMKYMETLKNKLCSCCKPLLKGVWEADLEACRL
LIQSLQLQEARGSLSVEDERQMDDLEGAAPPPIPRLHSEDKRKTPLKVL EEWKTHLIPSLHCAGGEQKEE
SYILSAELGEKCEDIGKLLYLEDQLHTAIHSHDEDLIQSLRRELQMVKETLQAMILQLQPAKEAGEREA
AASCMTAGVHEAQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

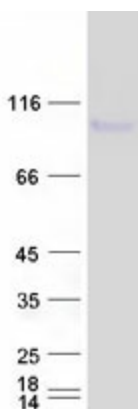
Tag: C-Myc/DDK
Predicted MW: 93.4 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity: ELISA binding assay (PMID: [26062786](https://pubmed.ncbi.nlm.nih.gov/26062786/))
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_061132</u>
Locus ID:	27185
UniProt ID:	<u>Q9NRI5</u>
RefSeq Size:	7069
Cytogenetics:	1q42.2
RefSeq ORF:	2562
Synonyms:	C1orf136; SCZD9
Summary:	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. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified DISC1 protein (Cat# TP312015). The protein was produced from HEK293T cells transfected with DISC1 cDNA clone (Cat# [RC212015]) using MegaTran 2.0 (Cat# [TT210002]).