

## Product datasheet for **SC327104**

### DISC1 (NM\_001164545) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DISC1 (NM_001164545) Human Untagged Clone
Tag:	Tag Free
Symbol:	DISC1
Synonyms:	C1orf136; SCZD9
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001164545, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGGCGGGGGTCTCAGGGCGCCCCAGCCGCCCGCGGGCGGGCGGTGAGCCAC
CGCGCAGGCAGCCGGGATTGCTTACCACCTGCAGCGTGCCTTCGGAGGCGGGCGGTGGCA
CGGAGGCCGGGCTACATGAGAAGCTCGACAGGGCCTGGGATCGGGTTCCTTTCCCGAGCA
GTGGGCACACTGTTCCGGTTCAGAGGGGTGTCTGGCGAGGAGTCCCACCACTCGGAG
TCCAGGGCCAGACAGTGTGGCCTTGACTCGAGAGGCCTTTGGTCCGGAGCCCTGTTCC
AAGAGTGCAGCAGCCCCTACTGTGACCTGTGTGAGAGGAACCTCGGCGCACTTTGGGATT
CAGCTCAGAGGTGGCACCAGATTGCCTGACAGGCTTAGCTGGCCGTGTGGCCCTGGGAGT
GCTGGGTGGCAGCAAGAGTTTGCAGCCATGGATAGTTCTGAGACCCTGGACGCCAGCTGG
GAGGCAGCTGCAGCATGGAGCAAGGCGTGTCCGGGCAGCAGGCTCTCTGCCATCAGCA
GAGTTGAGTAGCAACAGCTGCAGCCCTGGCTGTGGCCCTGAGTCCCCCAACCCCTCT
GGCTCTCACAGTGCCTTTACCTCAAGCTTATGCTTTATTCGGCTCTCGCTGGCTCTGCC
GGGAACGTGGAGAAGCAGAAGGCTGCCACCATCCAGAGAGGCTGAGTCCCATTGCCAG
AGCCCCAGGAGATGGGAGCCAAAGCTGCCAGCTTGACGGGCTCAGGAGACCCGCGA
TGTCTCTCTCGGCCCTTCACTCTTTGGCTACACGGGTCTCTGCAGACTTGGCCAGGCC
GCAAGGAACAGCTCCAGGCCAGAGCGTGACATGCATTCTTTACCAGACATGGACCCTGGC
TCTCCAGTTCTCTGGATCCCTCACTGGCTGGCTGTGGTGGTGTGGGAGCAGCGGCTCA
GGGGATGCCCACTCTTGGGACACCCTGCTCAGGAAATGGGAGCCAGTGTGCGGGACTGC
CTGCTGAGAAACCGGAGGCAGATGGAGGTAATATCCTTAAGATTAACCAAACTTCAAGAACTT
CAGGAAGATGCAGTTGAGAATGATGATTATGATAAAGCTGAGACGTTACAACAAAGATTA
GAAGACCTGGAACAAGAGAAAATCAGCCTGCACCTTCACTTCTTCAAGGCAGCCAGCT
CTTAGCAGTTTCTGGGTACCTGGCAGCACAAGTCCAGGCTGCCTTGGCCGTGGGGCC
ACTCAGCAGGCCAGCGGAGATGACACCCACACCCCACTGAGAATGGAGCCGAGGCTGTTG
GAACCCACTGCTCAGGACAGCTTGCACGTGTCCATCACGAGACGAGACTGGCTTCTTCAG
GAAAAGCAGCAGCTACAGAAAGAAATCGAAGCTCTCCAAGCAAGGATGTTTGTGTGGAA
GCCAAAGATCAACAGCTGAGAAGGGAAATAGAGGAGCAAGAGCAGCAACTCCAGTGGCAG
GGCTGCGACCTGACCCCACTGGTGGGCCAGCTGTCCCTGGGTGAGCTGCAGGAGGTCAGC
AAGGCCTTGCAGGACACCCTGGCCTCAGCCGGTCAGATTCCCTTCCATGCAGAGCCACCG
GAAACCATAAGGAGCCTCCAGGAAAGAATAAAATCCCTCACTTGTCACTTAAAGAAATC
ACTACTAAGGAAACCATTCTGGACGGCTAAAGACCTCACCGAGGAGATTAGATCAT

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- Restriction Sites:** Please inquire
- ACCN:** NM\_001164545
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001164545.1](#), [NP\\_001158017.1](#)

**RefSeq Size:** 2658 bp

**RefSeq ORF:** 1740 bp

**Locus ID:** 27185

**UniProt ID:** [Q9NRI5](#)

**Cytogenetics:** 1q42.2

**Gene 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]  
Transcript Variant: This variant (h) lacks an internal exon and multiple 3' exons but has an alternate 3' segment, as compared to variant L. The resulting isoform (h, also known as isoform 35) is much shorter and has a distinct C-terminus, as compared to isoform L.