

## Product datasheet for **SC327243**

### DISC1 (NM\_001164537) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DISC1 (NM_001164537) 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\_001164537, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGGCGGGGGTCTCAGGGCGCCCCAGCCGCCCGCGGGCGGGCGGTGAGCCAC
CGCGCAGGCAGCCGGGATTGCTTACCACCTGCAGCGTGCCTTCGGAGGCGGGCGGTGGCA
CGGAGGCCGGGTACATGAGAAGCTCGACAGGGCTGGGATCGGGTTCCTTTCCCAGCA
GTGGGCACACTGTTCCGGTTCACAGGAGGGGTGTCTGGCGAGGAGTCCCACCCTCGGAG
TCCAGGGCCAGACAGTGTGCCCTTGACTCGAGAGGCCTTTGGTCCGGAGCCCTGTTTCC
AAGAGTGCAGCAGCCCCTACTGTGACCTGTGTGAGAGGAACCTCGGCGCACTTTGGGATT
CAGCTCAGAGGTGGCACCAGATTGCCTGACAGGCTTAGCTGGCCGTGTGGCCCTGGGAGT
GCTGGGTGGCAGCAAGAGTTTGCAGCCATGGATAGTTCTGAGACCCTGGACGCCAGCTGG
GAGGCAGCTGCAGCGATGGAGCAAGGCGTGTCCGGGCAGCAGGCTCTCTGCCATCAGCA
GAGTTGAGTAGCAACAGCTGCAGCCCTGGCTGTGGCCCTGAGTCCCCCAACCCCTCT
GGCTCTCACAGTGCCTTACCTCAAGCTTAGCTTTATTCGGCTCTCGCTGGCTCTGCC
GGGAACGTGGAGAAGCAGAAGGCTGCCACCATCCAGAGAGGCTGAGTCCCATTGCCAG
AGCCCCAGGAGATGGGAGCCAAAGCTGCCAGCTTGACGGGCTCACGAGGACCCGCGA
TGTCTCTCTCGGCCCTTCACTCTTTGGCTACACGGGTCTCTGCAGACTTGGCCAGGCC
GCAAGGAACAGCTCCAGGCCAGAGCGTGACATGCATTCTTACCAGACATGGACCCTGGC
TCTCCAGTTCTCTGGATCCCTCACTGGCTGGCTGGTGGTGGTATGGGAGCAGCGGCTCA
GGGGATGCCCACTCTTGGGACACCCTGCTCAGGAAATGGGAGCCAGTGTGCGGGACTGC
CTGCTGAGAAACCGGAGGCAGATGGAGGTAATATCCTTAAGATTAACCACTCAGAACTT
CAGGAAGATGCAGTTGAGAATGATGATTATGATAAAGTAGAGACGGGTTTCACTATGTT
GGTCAAGCTGGTCTTGAAGCTTCAAGCAATCCACCTGCTTCCGCTCCCAAAGT
GCTGGGATTACAGCTGAGACGTTACAACAAGATTAGAAGACTGGAACAAGAAAAATC
AGCTGCACCTTCAACTTCCCTCAAGGCAGCCAGCTTTCAGCAGTTTCTGGGTCACTG
GCAGCACAAAGTCCAGGCTGCCTTGCGCCGTGGGGCCACTCAGCAGGCCAGCGGAGATGAC
ACCCACACCCCACTGAGAATGGAGCCGAGGCTGTTGGAACCCCACTGCTCAGGACAGCTTG
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GAAATAGAGGAGCAAGAGCAGCAACTCCAGTGGCAGGGCTGCGACCTGACCCCACTGGT
GGCCAGCTGTCCCTGGGTGAGTGCAGGAGGTCAGCAAGGCCCTGCAGGACACCTGGCC
TCAGCCGGTGCAGTTCCTTCCATGCAGAGCCACCGGAAACCATAGGAGCCTCCAGGAA
AGAATAAAATCCCTCAACTTGTCACTTAAAGAAATCACTACTAAGGTGTGTATGAGTGAG
AAATTCTGCAGCACCTGAGGAAGAAAGTTAACGATATTGAAACCCCACTACCAGCCTTG
CTTGAAGCCAAAATGCATGCCATATCAGGAAACATTTCTGGACGGCTAAAGACCTCACC
GAGGAGATTAGATCATTAAACATCAGAGAGAGAAGGGCTGGAGGGACTCCTCAGCAAGCTG
TTGGTGTGAGTTCAGGAATGTCAAAAAGCTGGGAAGTGTAAAGAAGATTACAACAGA
CTGAGAAGAGAAGTGGAGCACCAGGAGACTGCCTATGAAACAAGTGTGAAGGAAAATACT
AAGTGTGGGAAGCTGACTTGGAAAGCTTGTGATTGCTTATCCAGAGCTACAGCTCCAG
GAAGCCAGGGGAAGCCTGTCTGTAGAAGATGAGAGGCAGATGGATGACTTAGAGGGAGCT
GCTCCTCTATTCCCCCAGGCTCCACTCCGAGGATAAAAGGAAGACCCCTTTGAAGGTA
TTGGAAGAATGGAAGACTCACCTCATCCCCTCTCTGCACTGTGCTGGAGGTGAACAGAAA
GAGGAATCTTACATCCTTTCTGCAGAACTTGGAGAAAAGTGTGAAGACATAGGCAAGAAG
CTATTGTAAGTGGAAAGTCAACTTACACAGCAATCCACAGTCATGATGAAGATCTCATT
CAGTCTCTCAGGAGGGAGCTCCAGATGGTGAAGGAACTCTGCAGGCCATGATCTCGCAG
CTCCAGCCAGCAAAGGAGGCGGGAGAAAAGAGAAGCTGCAGCTTCTGATGACAGCTGGT
GTCCACGAAGCACAAGCC
    
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**Restriction Sites:** Please inquire

**ACCN:** NM\_001164537

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001164537.1, NP_001158009.1</u>
<b>RefSeq Size:</b>	7165 bp
<b>RefSeq ORF:</b>	2661 bp
<b>Locus ID:</b>	27185
<b>Cytogenetics:</b>	1q42.2
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (a) has an additional exon in the 5' coding region, as compared to variant L. The reading frame is not changed, but the resulting isoform (a, also known as isoform 8) is longer than isoform L.</p>