

Product datasheet for **SC327080**

DISC1 (NM_001164548) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DISC1 (NM_001164548) Human Untagged Clone
Tag:	Tag Free
Symbol:	DISC1
Synonyms:	C1orf136; SCZD9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

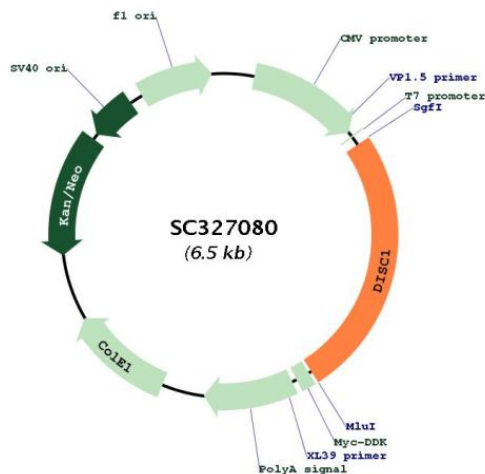


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Fully Sequenced ORF: >SC327080 representing NM_001164548.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCAGGCGGGGTCTCAGGGCGCCAGCCGCCGGCGGGCGGCGTGTAGCCACCGCGCAGGC
AGCCGGGATTGCTTACCACCTGCAGCGTGCTTTCCGGAGGCGGCGGCTGGCACGGAGGCCGGGCTACATG
AGAAGCTCGACAGGGCCTGGGATCGGGTTCTTTCCCCAGCAGTGGGCACACTGTTCCGGTTCCAGGA
GGGGTGTCTGGCAGGAGTCCCACCACTCGGAGTCCAGGGCCAGACAGTGTGGCCTTGACTCGAGAGGC
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GCGCACTTTGGGATTCAGCTCAGAGGTGGCACCAGATTGCCTGACAGGCTTAGCTGGCCGTGTGGCCCT
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GCAGCTGCAGCGATGGAGCAAGGCGTGTCCGGGCAGCAGGCTCTCTGCCATCAGCAGAGTTGAGTAGC
AACAGCTGCAGCCCTGGCTGTGGCCCTGAGGTCCCCCAACCCCTCTGGCTCTCACAGTGCCTTTACC
TCAAGCTTTAGCTTTATTCGGCTCTCGTTGGCTCTGCCGGGAAACGTGGAGAAGCAGAAGGCTGCCCA
CCATCCAGAGAGGCTGAGTCCCATTGCCAGAGCCCCAGGAGATGGGAGCCAAAGCTGCCAGCTTGAC
GGGCTCACGAGGACCCGCGATGTCTCTCGGCCCTTCACTCTTTGGTACACGGGTCTCTGCAGAC
TTGGCCCAGGCCAAGGAACAGCTCCAGGCCAGAGCGTGACATGCATTCTTTACCAGACATGGACCCT
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AGGCAGATGGAGGTAATATCCTTAAGATTAACAACTTCAGAACTTCAGGAAGATGCAGTTGAGAATGAT
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GAAAAGCAGCAGCTACAGAAAGAAATCGAAGCTCTCCAAGCAAGGATGTTTGTGCTGGAAGCCAAAGAT
CAACAGCTGAGAAGGGAAATAGAGGAGCAAGAGCAGCAACTCCAGTGGCAGGGCTGCGACCTGACCCCA
CTGGTGGGCCAGCTGTCCCTGGGTGAGTGCAGGAGGTCAGCAAGGCCTTGCAGGACACCCTGGCCTCA
GCCGTCAGATTCCTTCCATGCAGAGCCACCGGAAACCATAAGGAGGAAACCATTTCTGGACGGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001164548

Insert Size: 1656 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001164548.1](#)

RefSeq Size: 2603 bp

RefSeq ORF: 1656 bp

Locus ID: 27185

Cytogenetics: 1q42.2

MW: 59.3 kDa

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 (k) lacks two internal exons and multiple 3' exons but has an alternate 3' segment, as compared to variant L. The resulting isoform (k, also known as isoform 32) is much shorter and has a distinct C-terminus, as compared to isoform L.