

Product datasheet for **SC301730**

DISC1 (NM_001012958) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DISC1 (NM_001012958) Human Untagged Clone
Tag: Tag Free
Symbol: DISC1
Synonyms: C1orf136; SCZD9
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001012958 edited
 AGCGGGGCGCATGCCAGGCGGGGTCCTCAGGGCGCCCCAGCCGCCCGCGGGCGGGCGG
 CGTGAGCCACCGCGCAGGCAGCCGGGATTGCTTACCACCTCGAGCGTGCTTTTCGGAGGCG
 GCGGCTGGCACGGAGCCGGGCTACATGAGAAGCTCGACAGGGCCTGGGATCGGGTTCCT
 TTCCCCAGCAGTGGGCACACTGTTCCGGTTCAGGAGGGGTGTCTGGCGAGGAGTCCCA
 CCACTCGGAGTCCAGGGCCAGACAGTGTGGCCTTGACTCGAGAGGCCTCTTGGTCCGGAG
 CCCTGTTTCCAAGAGTGCAGCAGCCCTACTGTGACCTCTGTGAGAGGAACCTCGGCGCA
 CTTTGGGATTGAGTGCAGAGGTGGCAGCAGATTGCCTGACAGGCTTAGCTGGCCGTGTGG
 CCCTGGGAGTGTGGGTGGCAGCAAGAGTTTGCAGCCATGGATAGTTCTGAGACCCTGGA
 CGCCAGCTGGGAGGCAGCCTGCAGCGATGGAGCAAGGCGTGTCCGGGCAGCAGGCTCTCT
 GCCATCAGCAGAGTTGAGTAGCAACAGCTGCAGCCCTGGCTGTGGCCCTGAGGTCCCCC
 AACCCCTCCTGGCTCTCACAGTGCTTTACCTCAAGCTTTAGCTTTATTGGCTCTCGCT
 TGGCTCTGCCGGGAACGTGGAGAAGCAGAAGGCTGCCACCATCCAGAGAGGCTGAGTC
 CCATTGCCAGAGCCCCAGGAGATGGGAGCCAAAGCTGCCAGCTTGGACGGGCTCACGA
 GGACCCGCGATGTCTCTCTCGGCCCTTCACTCTCTTGGCTACACGGGTCTCTGCAGACTT
 GGCCAGGCCGCAAGGAACAGCTCCAGGCCAGAGCGTGACATGCATTCTTTACCAGACAT
 GGACCCTGGCTCCTCCAGTTCTCTGGATCCCTCACTGGCTGGCTGTGGTGGTGTGGGAG
 CAGCGGCTCAGGGGATGCCACTCTTGGGACACCCTGCTCAGGAAATGGGAGCCAGTGTCT
 GCGGGACTGCCTGCTGAGAAACCGGAGGCAGATGGAGCTGGAACCAATTGCTTTGGATCC
 ACCATGGAAGCCTCGACATCCTGAACCAAACCTCCTATTAAT



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001012958 unedited GTTACATTTTGTATACGACTACTATAGGCGGCCGCAATTCGCCCTTAGCGGGGCGCATG CCAGGCGGGGTCCTCAGGGCGCCCCAGCCGCCCGCGGGCGGGCGGTGAGCCACCGC GCAGGCAGCCGGGATTGCTTACCACCTGCACGCTGCTTTTCGGAGGCGGGCTGGCACGG AGGCCGGGCTACATGAGAAGCTCGACAGGGCCTGGGATCGGGTTCCTTTCCCAAGAGTG GGCACACTGTTCCGGTTCAGGAGGGGTGTCTGGCAGGAGTCCCACCCTCGGAGTCC AGGGCCAGACAGTGTGGCCTTGACTCGAGAGGCCTTTGGTCCGGAGCCCTGTTTCCAAG AGTGCAGCAGCCCTACTGTGACCTCTGTGAGAGGAACCTCGGGCCACTTTGGGATTGAG CTCAGAGGTGGCACCAGATTGCCTGACAGGCTTAGCTGGCCGTGTGGCCCTGGGAGTGCT GGGTGGCAGCAAGAGTTTGCAGCCATGGATAGTTCTGAGACCCTGGACGCCAGCTGGGAG GCAGCCTGCAGCGATGGAGCAAGCGGTGTCCGGGCAGCAGGCTCTCTGCCATCAGCAGAG TTGAGTAGCAACAGCTGCAGCCCTGGCTGTGGCCCTGAGGTCCCCCAACCCCTCTGGC TCTCACAGTGCCTTTACCTCAAGCTTTAGCTTTATTTCGGCTCTCGCTTGCTCTGCCGNG GGACGTGGAGAAGCAGAAAGCTGCCACCATCCAGAGAGGCTGAGTCCCATTGCCAGAGC CCCCAGGAGATGGGAGCCAAAGCTGCCAGCTTGAACGGGCTCACGAGGACCCGCGATG TCTCTCTCGGCCCTTCCAGTCNCTTGGCTACACGGGTCTCTGCAGACTTGGGCCAAGCCC GCAGGAACAGCN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001012958 unedited CCCCATTGGNATGGCACTTCCAGNCCAGNAAAGCACTGGGGNAGGGTCACAGGGATGCC ACCCGGGATCTGTTCAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGATTAATAG GAGTTTGGTTCAGGATGTCGAGGCTTCCATGGTGGATCCAAAGCAATTGGTTCCAGCTCC ATCTGCCTCCGGTTTCTCAGCAGGCAGTCCCGCAGCACTGGCTCCCATTTCCTGAGCAGG GTGTCCCAAGAGTGGGCATCCCCTGAGCCGCTGCTCCCATCACCACCACAGCCAGCCAGT GAGGGATCCAGAGAACTGGAGGAGCCAGGGTCCATGTCTGGTAAAGAATGCATGTCACGC TCTGGCCTGGAGCTGTTCCCTTGCGGCCTGGGCCAAGTCTGCAGAGACCCGTGTAGCCAAG AGACTGAAGGGCCGAGAGAGACATCGCGGGTCTCGTGGAGCCCGTCCAAGCTGGCAGCT TTGGCTCCCATCTCCTGGGGGCTCTGGCAATGGGACTCAGCCTCTCTGGATGGTGGGCAG CCTTCTGCTTCTCCACGTTCCCCGGCAGAGCCAAGCGAGAGCCGAATAAAGCTAAAGCTT GAGGTAAGGCACTGTGAGAGCCAGGAGGGTTGGGGGACCTCAGGGCCACAGCCAGGG CTCGAGCTGTTGCTACTCAACTGCTGATGGCAGAGAGCCTGCTGCCCGGACACGCCTT GCTNCATCGCTGCNAGCTGCCTCCAGCTGGCGTCCAGGGTCTCAGAACTATCCATGGCT GCAAACCTTGTGTCACCCAGCACTCCCAGGGCACACGGCCAGCTAAGCCCTGTCAGC CATCTGTTGCCACCTCTGAGCTGAATCCCAAAGTGCGCCGAGGTTTCTCTC</p>
Restriction Sites:	Please inquire
ACCN:	NM_001012958
Insert Size:	1100 bp
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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_001012958.1](#), [NP_001012976.1](#)

RefSeq Size: 2636 bp

RefSeq ORF: 1110 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 (Es) lacks multiple 3' exons but has an alternate 3' exon, as compared to variant L. The resulting isoform (Es, also known as the 'Extremely short' isoform) is much shorter and has a distinct C-terminus, as compared to isoform L.