

Product datasheet for RC228532L3

OriGene Technologies, Inc.

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DISC1 (NM_001164542) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DISC1 (NM_001164542) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: DISC1

Synonyms: C1orf136; SCZD9

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC228532).

Sgfl-Mlul

Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf 1 ORF Mlu 1

GGG ATC GC ATG ---//--- NNN ACG CGT ---



 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_001164542

ORF Size: 2043 bp





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OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: <u>NM 001164542.1</u>

 RefSeq ORF:
 2046 bp

 Locus ID:
 27185

 Cytogenetics:
 1q42.2

 MW:
 74.1 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]