

Product datasheet for **RN212017**

Disc1 (NM_175596) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Disc1 (NM_175596) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Disc1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN212017 representing NM_175596
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATCGAGGGCGCGGTTCCCGGGCGCTTGGATCCACAGTCCGAGCCACTGCCAGGCAATGGGCATGGCT
 CGCCGCCTGCAGTAGCCCTCAGAGGCGCGGCTGACACGGAGACCAGGCTACATGAGAAGCACAGCCAG
 TCCTGGGATCGGGTTCCTGTCTCCAGCAGTGGGCATGCCACGTCCGATCTCAGCGGGGCTGACAGGCCAG
 GAGTTCTACCCCTCACAGTCCAAGGCTAGACAGTGCAGCCTTGACCTCAGAAGCCACTGCCAAGACTCAT
 TGGTGGCAACCCCTTTTCTCAAGGGCTCCCTTGGCCCTGCTGTGACCTCTGTGGGCCACCTGCACCCAGC
 CCAGGGCTCTATGAGAGAAAGGATGGTGCACCTGCGGGTTCATTCCGGGAATGACAGAAGACAATCCGAG
 AGGCTGACTGGGACAGTGGTTGTGGCAAGAATTTTATCTTCAGACAGCTCTAAGTCTCTGGTTCTA
 GCCTTGATGTAGCTTGGAGCAAGGGATCGAGGGCCTGAAGACTGTGAGGCTCTGGTATCACCGGCGTC
 GAATGGCCCCGTGACATCCCATCCCTTCTGGGTTCCAAGACACCTTTACTTCCAATTGAGCTTCATC
 CGACTCTCCCTCGGTGCTGCTGGAGAACGCGGAGAAGCAGAAGGTTGCCTGCCATCCAGAGAGGCCGAAC
 CCCTGCATCAGAGCCCCAAGAGATGGCAGCTGAAGGATCCGGCTCAGACAGGCCCCACGGGGAGCCTCG
 GCATCTCTGGACCTTCAGTCTTCACGCTGCTCCGGGCTTGGTGGACTTGGCTCAGGGGACGAGGAGCAAC
 AGGCAACCAGAAATGTGGCATGGTCTCCTCCTCCGATGTGGTCTCTTCCCAGGATGCATCCCCGCTG
 GAGGGCGGAGCGACCAGGACGGAGGCTGGGCGGATGCCATGGATGGCACGCTCTGCTCAGGGAATGGGA
 GCCTATGCTGCAGGACTACCTACTGAGCAACCGCAGGCAGCTGGAGGTCACTTCTTGAATTTAAAGCTT
 CAGAACTTCAAGAAAAGCGGTCGAGGATGGCGATTACGACATGGCAGAGACTGAGACAGAGATTGG
 AAGACTTGAACAGGAGAAAGGCCCTGCCCTGGGCTCTGCCCTCACAGCAACCAGCCCTTCGACCTT
 CTTGGGTACCTGGCAACACAGACACACGCGGCCCTTGCATGGAGCCCCCAAAGGGCTGGCAGCGATGAC
 CCAGAAGCCCCACTTGAGGGACAGCGGAGGACCACCGCCAGGATAGCCTGCCGGGACTAGCCGTACCA
 GGCGGGACTGGCTGATGCGAGAGAAAGAGCAATTGAGAAGGAAATCGAAGCTCTCCGGGCAAGGGTGT
 TGTGCTGGAGGCGAAGGAACAACGGCTGAGCCAAGAGTTGGAGGATCAGGAGATGCTGCTCCGGTGGCAG
 GGCTGTGACCAGATGGCACTGGTGGCACAGCTGTCCCAGGCCAGCTGCAGGAGGTGAGCAAGGCCTTGG
 GAGAGACTCTGACCTCTGCCAGATGGGCTCCCTCCGCGTGGAGCCACCCGAAACCTCAGGAGCCTCCG
 GGAAAGGACAAAGTCACTCGACCTGGCTGTTAGAGAACTCACTGAGCAGGTATGCTCAGGTGAGAAGCTA
 TGCAGCTCTCTGAGGAAGAGACTCGCTGACCTTGCACACAGGCTGCCTGCCTTGTGGAAGCCAAGATGC
 TGGCCCTATCAGGAAGCTGCTTCTACAGCCAAGGAGCTCGCAGAGGAGATTTGGGCCGTGTCATCGGA
 GCGGGAAGGGCTAGAGATGTTCTGGGAGGCTGCTGGCCCTCAGCTCCAGGAACACGAGAAGACTGGGC
 AGCGTCAAAGAGGACTACCTCAGGTGCAGGCAGGACCTGGCCCTCCAGGAAGCCGCCACAAAACACGCG
 TGAAGGCAAACTGTGAAGTGCACGGAAGTGTGGAGGGTCACTGAGCTGCTGAGGTGCCCGCTGCT
 TGAGAGAGTGTGGAAGCGGACTTGGAGGCGTGTGAGTTGCTGATGCAGAGCCTAGAGATCCAGGAAGCA
 GGCAGCAGCTCACATGTGGAGGATGAGAAGCAGGTGCACAGCACAGGAGAGGCGGCTCAGACAGCTGCC
 TGGCTGTCCCTAGAACACCCACCCGAAAGAGGAAAAGTCCCCCTTGCAGGAATCTCATGTGTTTTTGC
 TGAAGTTGGAGACAAATGCGAAGCCATAGGCATGAGGCTCCTGCACCTGGAAGACCAGCTTCTCGGCGCC
 ATGCACGGTACGATGAAGCTCTTTTCACTCTCCAGGGGAGCTCCAGATGGTTAAGGAAACACTAC
 AGACCATGTTCTGACGCTCCAGCCAGCAAAGGAGGCAGGAGGAGGCTCAGTTCCTATTCGACAGC
 TGGTGCTCAGGAAGCCGAGGACTGA

AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
 ACCN: NM_175596
 Insert Size: 2475 bp

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| 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). |
| 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: | <ol style="list-style-type: none">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_175596.2 , NP_783186.2 |
| RefSeq Size: | 2475 bp |
| RefSeq ORF: | 2475 bp |
| Locus ID: | 307940 |
| UniProt ID: | Q810H6 |
| Cytogenetics: | 19q12 |
| Gene Summary: | interacts with a variety of cytoskeletal proteins; truncated mutant form is associated with Schizophrenia [RGD, Feb 2006] |