

Product datasheet for **SC319386**

Drebrin (DBN1) (NM_004395) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Drebrin (DBN1) (NM_004395) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Drebrin |
| Synonyms: | D0S117E |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_004395.2
 CCGAGGCGGCGGCGGCGACTCCCTCTTTCCCTCCCTCCTCCTCCGTCGCGCCGTCGCTCC
 GCGCGTGTGTCGGTTCGGCCCGGTCCGGCCGAAGCATGGCCGGCGTCAGCTTCAGCGGC
 CACCGCTGGAGCTGCTGGCGGCTTACGAGGAGGTGATCCGAGAGGAGAGCGGCGCGAC
 TGGGCTCTGTACACATATGAAGATGGCTCCGATGACCTCAAGCTTGACAGCATCAGGAGAA
 GGGGGCTTGACAGGACTTTCCGGACACTTTGAGAACAGAAAGGTGATGTACGGCTTCTGC
 AGTGTCAAGGACTCCCAAGCTGCTCTGCCAAAATACGTGCTCATCAACTGGGTGGCGGAA
 GATGTGCCTGATGCCCGCAAGTGCCTTGTGCCAGCCACGTGGCTAAGGTGGCAGAGTTC
 TTCAGGGTGTGACGTGATCGTGAACGCCAGCAGCGTGAAGACATAGACGCGGGTGC
 ATCGGGCAGCGGCTCTAACGGGCTGGCGGACTCTCCAGCCCTGTGCTGCACCGACTG
 CGGCTGCGAGAGGATGAGAACGCAGAGCCCGTGGGCACCACCTACCAGAAGACGGATGCA
 GCTGTGAAAATGAAGCGGATTAACCGAGAGCAGTTCTGGGAGCAGGCCAAGAAGGAAGAA
 GAGCTGCGGAAGGAGGAGGAGCGGAAGAAGGCCCTGGATGAGAGGCTCAGTTTCGAGCAG
 GAGCGGATGGAGCAGGAGCGGCAGGAGCAAGAGGAGCGCAGCGGCGCTACCGGGAGCGG
 GAGCAGCAGATCGAGGAGCACAGGAGAAACAGCAGACTTTAGAAGCGGAAGAGGCCAAG
 AGCGGGTTGAAGGAGCAGTCTATCTTTGGTGACCATCGGGATGAGGAGGAAGAGACCCAC
 ATGAAGAAGTCAGAGTCGGAGGTGGAGGAGGCAGCAGCTATTATTGCCACGCGGCTGAC
 AACCAAGGGAGTTCTTCAAGCAGCAGGAAAGAGTCGCATCGGCCTCTGCGGGCAGCTGT
 GATGTACCCTCGCCCTTCAACCATCGACCAGGCAGCCACCTGGACAGCCACCGGAGGATG
 GCGCCCACTCCCATCCCCACGCGGAGCCCGTCTGACTCCAGCACCGCCTCCACCCTGTC
 GCTGAGCAGATAGAGCGGGCCCTGGATGAGGTACCTCCTCGCAGCCTCCACCCTGCCA
 CCGCCACCCCAACAGCCCAAGAGACCCAGGAGCCAGCCCATCCTAGACAGTGAGGAG
 ACCAGAGCAGCAGCCCTCAGGCCTGGCCGGCCCATGGAGGAGCCCTCAGGCACAG
 CGCCTCCCCGGGGCCAGGCAGCCCTGCAGAGACTTGATGTTATGGAGTCTGCAGAG
 CAGGCTGTCTGGCTGCTCCCGTGGAGCCTGCCACAGCTGACGCCACGGAGGTCCACGAT
 GCAGCTGACACCAATTGAAACTGACACTGCCACTGCTGACACCACTGTTGCCAACAAACGTA
 CCCCCCGCGCCACCAGCCTCATTGACCTATGGCCTGGCAACGGGGAAGGGGCTCCACA
 CTCCAGGGTGAGCCAGGGCCCCACGCCACCCTCGGGTACTGAGGTACCCTGGCAGAG
 GTGCCCTGTGGATGAGGTGGCTCCGGAGCCACTGCTGCCAGCAGGCGAAGGCTGTGCC
 ACCCTTCTCAACTTTGATGAGCTGCCTGAGCCGCCAGCCACCTTCTGTGACCCAGAGGAA
 GTGGAAGGGGAGCCCTGGCTGCCCCCAAGACCCCAACTCTGCCCTCAGCCCTTGAGGAG
 CTGGAGCAAGAGCAGGAGCCGGAGCCCACTGCTAACCAATGGCGAGACCACCCAGAAG
 GAGGGGACCCAGGCCAGTGAGGGTACTTCAGTCAATCACAGGAGGAGGATTTGCCCAA
 TCGGAAGAGCTCTGTGCCAAGGCTCCGCCTCCTGTGTTCTACAACAAGCCTCCAGAGATC
 GACATCACATGCTGGGATGCAGACCCAGTTCAGAAGAGGAGGAGGGCTTCGAGGGTGGT
 GATTAGCGGTGGCGCCAGCCCTAGGCTACCCTTGCCAAGGCCGCCACCTGCATCAGCCT
 CTGGCCAGACGGCCCGCGTGCCTGCATTGCGCAGCAGTCCGCCTGGCACCCACTCCGGA
 TTCCGGCCCTGGCTGGGACTTGGCCGCTTCCCTACCCACAGGGCCTGACTTTTACAGCT
 TTTCTTTTTTTTTAAAAAGTTGATAGGAGACTTGTACAGTTGACTGGCTTTCTCTCGTT
 GGTAGTTGAGACGCTGTTGCAAATTCACCCCTCCTTCCCTGGTCCAGATTGTAGCTCTT
 AGTCTCCTGCTCAGCTGGCCGGTGGAGGCCTCACCTGCTTGGGCCTGGCGTGGG
 GGGAGCTCTGGTGGGAAAATGTCCCCACCTCTTTTCTAGTTTTATGTTTCTTGGGAAA
 ATATCACTTTGTATTCTGTCCAGGGCTTCAGATATTTTGCACGAATTTTAAACATGG
 CAATAAATGGCTCGTGGGCTCTGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004395

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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). |
| 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: | <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: | <u>NM_004395.2</u> , <u>NP_004386.2</u> |
| RefSeq Size: | 2910 bp |
| RefSeq ORF: | 1950 bp |
| Locus ID: | 1627 |
| UniProt ID: | <u>Q16643</u> |
| Cytogenetics: | 5q35.3 |
| Domains: | ADF |
| Gene Summary: | <p>The protein encoded by this gene is a cytoplasmic actin-binding protein thought to play a role in the process of neuronal growth. It is a member of the drebrin family of proteins that are developmentally regulated in the brain. A decrease in the amount of this protein in the brain has been implicated as a possible contributing factor in the pathogenesis of memory disturbance in Alzheimer's disease. At least two alternative splice variants encoding different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the predominant isoform (a).</p> |