

Product datasheet for **MG215855**

Dbr1 (NM_031403) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dbr1 (NM_031403) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dbr1
Synonyms:	AW018415
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215855 representing NM_031403
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGGTGGCCGTGCCGGCTGCTGCCACGGCGAGCTGGACAAGATCTACGAGACTCTGGCGCTGGCGG
 AGCGGCGCGGCTCGGGACCCGTGGATCTCTTCTGTGCTGCGGGACTTCCAGGCGGTGCCAACGAGGC
 CGACCTGCGCTGCATGGCCGTGCCGCCAAGTACCGTCACATGCAGACCTTCTACAGATATTACTCTGGA
 GAGAAAAAGGCCCGTTCTCACCATCTTCATTGGAGGAAACCATGAAGCCTCAAACATTTGCAAGAGT
 TACCCTATGGTGGCTGGGTAGCGCCGAATATTTATTTAGGCTTGGCTGGTGTGCAATACCGAGG
 AGTAAGGATTGGTGGCATCTCTGGCATATTTAAATCTCATGATTATAGAAAAGGTCATTTTGAGTGCCCC
 CCTTATAATTCATCTACCATAAGGAGTATATATCATGTGAGAAAATAGAGGTCTACAAATTAACAGT
 TAAAGCAGCTGTACATATATTCTGTCTCATGATTGGCCAAGAAATATATATCATTATGGCAATAAGAA
 GCAGCTTCTTAAGACAAATCTTTTTCCGCCAAGAAGTGAAAAACAGCACCCCTGGGGAGCCCCGCTGCC
 TCGGAGCTGCTGGAGCACCTACAGCCTGCGTACTGGTTCTCCGCGCACCTGCATGTCAAGTTCGACAGCC
 TGATGCAGCATCAGGCCACAGATAAAGACCAAGCAGGCAAGAAACCAAGTTTTAGCCTTGGACAAGTG
 CTTGCCACACAGAGACTTCTTCAGGTGTAGAGATAGAACATGACCCAGTGTCTCTGAGTACTTAGAG
 TATGACGTTGAATGGCTTACTGTTCTCAGGGCCACTGATGACCTGATTAATGTGACTGGGGGCTGTGGA
 ATATGCCTGAAGACAACGGTCTGCACACAAGGTGGGATTATAGTGAACGGAAGAAACTATGAAGGAAGT
 AATGAAAAATGAACCATGACCCTAAAGTCCCCTGTAACCTCACCATGACAGCTGCTTGTATGATCCC
 AGTAAGCCCCAGACACAAGTGAAGCTGGTTCACAGGATCAATCCACAGACGACTGAGTCTGTGCCCAGC
 TTGGCATCACAGACATCAATGTCTGATTCAGAAGGCCAGAGAGGAAGAGCACCATCAGTGTGGTGAATA
 TGAGCAGCAGGGTGACCCGGGACTGAGGAGTCTGAAGAGGACCGGAGTGAATACAACACAGACAGCTCG
 GCCCTCTCTCCATTAATCCAGATGAAATCATGCTGGATGAAGAGGAGGAGGAGGAGGAGGAGGAGG
 AGGCTGTAAAGCGCTCACAGTGCATGAACACACCTTCTGTGGAACCTGCTTCTGACCAGGCTTCTGACCT
 CTCTACAAGCTTTCTGACATCAGGAACCTACCAAGTTCATGTTTGTGCTCTGACGATGCATCCCGT
 TCTCCAGCAAGTGAGAGGGGAAATGTGGTGAACGGTGGAGTCTGGGGATGAAAAAGACTTGGCTAAGT
 TTCCTCTGAAGCGGCTGAGTGTGAACACGAACCTGAACAAAGGAAGAAAATAAAGAGGAGGAACCAAGC
 CATCTACGCTGCAGTGGATGATGGGGATGCTAGTGCCGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215855 representing NM_031403
 Red=Cloning site Green=Tags(s)

MRVAVAGCCHGELDKIYETLALAERRGSGPVDLLLCCGDFQAVRNEADLRMAVPPKYRHMQTFYRYSSG
 EKKAPVLTIFIGGNHEASNHLQELPYGGWVAPNIYYLGLAGVVKYRGVRIIGGISGIFKSHDYRKGHFCEP
 PYNSSIRSIYHVRNIEVYKQKQKQPVHIFLSDWPRNIYHYGNKQLLTKSFFRQEVENSTLGSPPAA
 SELLEHLQPAYWFSAPHLVYKFAALMQHQATDKDQAGKETKFLALDKLPHRDFLQVLEIEHDPESAPEYLE
 YDVEWLVLRATDDLINVTGGLWNMPEDNGLHTRWDYSATEETMKEVMEKLNHDPKVPKCNFTMTAACYPD
 SKPQTQVKLVHRINPQTTEFCAQLGITDINVMIQKAREEEHHQCGEYEQGDPGTEESEEDRSEYNTDTS
 ALSSINPDEIMLDEEEEEEEEEEAUSAHSDMNTPSVEPASDQASDLSTSFSDIRNLPSSMFVSSDDASR
 SPASGEGKCGETVESGDEKDLAKFPLKRLSDEHEPEQRKKIKRRNQAIYAAVDDGDASAE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_031403

ORF Size: 1650 bp

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: [NM_031403.3](#), [NP_113580.2](#)

RefSeq Size: 2103 bp

RefSeq ORF: 1653 bp

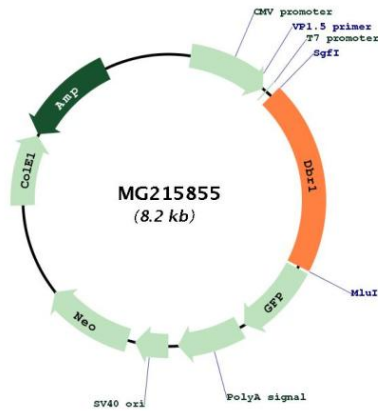
Locus ID: 83703

UniProt ID: [Q923B1](#)

Cytogenetics: 9 E3.3

Gene Summary: Cleaves the 2'-5' phosphodiester linkage at the branch point of lariat intron pre-mRNAs after splicing and converts them into linear molecules that are subsequently degraded. It thereby facilitates ribonucleotide turnover. It may also participate in retrovirus replication via an RNA lariat intermediate in cDNA synthesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215855