

## Product datasheet for **MR215855**

### **Dbr1 (NM\_031403) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dbr1 (NM_031403) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dbr1
Synonyms:	AW018415
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR215855 representing NM\_031403  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGGGTGGCCGTGGCCGGCTGCTGCCACGGCGAGCTGGACAAGATCTACGAGACTCTGGCGCTGGCGG  
 AGCGGCGCGGCTCGGGACCCGTGGATCTCCTTCTGTGCTGCGGGACTTCCAGGCGGTGCGCAACGAGGC  
 CGACCTGCGCTGCATGGCCGTGCCGCCAAGTACCGTCACATGCAGACCTTCTACAGATATTACTCTGGA  
 GAGAAAAAGGCCCGTTCTCACCATCTTCATTGGAGGAAACCATGAAGCCTCAAACATTTGCAAGAGT  
 TACCCTATGGTGGCTGGGTAGCGCCGAATATTTATTTAGGCTTGGCTGGTGTGCAAAATCCGAGG  
 AGTAAGGATTGGTGGCATCTCTGGCATATTTAAATCTCATGATTATAGAAAAGGTCATTTTGAGTGCCCC  
 CCTTATAATTCATCTACCATAAGGAGTATATATCATGTGAGAAAATAGAGGTCTACAAATTAACAGT  
 TAAAGCAGCTGTACATATATTCTGTCTCATGATTGGCCAAGAAATATATATCATTATGGCAATAAGAA  
 GCAGCTTCTTAAGACAAATCTTTTTCCGCCAAGAAGTGAAAAACAGCACCTGGGGAGCCCCGCTGCC  
 TCGGAGCTGCTGGAGCACCTACAGCCTGCGTACTGGTTCTCCGCGCACCTGCATGTCAAGTTCGACAGCC  
 TGATGCAGCATCAGGCCACAGATAAAGACCAAGCAGGCAAGAAAACCAAGTTTTAGCCTTGACAAGTG  
 CTTGCCACACAGAGACTTCTTCAGGTGTAGAGATAGAACATGACCCAGTGTCTCTGAGTACTTAGAG  
 TATGACGTTGAATGGCTTACTGTTCTCAGGGCCACTGATGACCTGATTAATGTGACTGGGGCCCTGTGGA  
 ATATGCCTGAAGACAACGGTCTGCACACAAGGTGGGATTATAGTGAACGGAAGAAACTATGAAGGAAGT  
 AATGGAAAAATGAACCATGACCCTAAAGTCCCCTGTAACCTCACCATGACAGCTGCTTGTATGATCCC  
 AGTAAGCCCCAGACACAAGTGAAGCTGGTTCACAGGATCAATCCACAGACGACTGAGTCTGTGCCAGC  
 TTGGCATCACAGACATCAATGTCATGATTCAGAAGGCCAGAGAGGAAGAGCACCATCAGTGTGGTGAATA  
 TGAGCAGCAGGGTGACCCGGGGACTGAGGAGTCTGAAGAGGACCGGAGTGAGTACAACACAGACAGCTCG  
 GCCCTCTCTCCATTAATCCAGATGAAATCATGCTGGATGAAGAGGAGGAGGAGGAGGAGGAGGAGG  
 AGGCTGTAAAGCGCTCACAGTGACATGAACACACCTTCTGTGGAACCTGCTTCTGACCAGGCTTCTGACCT  
 CTCTACAAGCTTTTCTGACATCAGGAACCTACCAAGTTCATGTTTGTGCTCTGACGATGCATCCCGT  
 TCTCCAGCAAGTGAGAGGGGAAATGTGGTGAACGGTGGAGTCTGGGGATGAAAAAGACTTGGCTAAGT  
 TTCCTCTGAAGCGGCTGAGTGTGAACACGAACCTGAACAAAGGAAGAAAATAAAGAGGAGGAACCAAGC  
 CATCTACGCTGCAGTGGATGATGGGGATGCTAGTGCCGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR215855 representing NM\_031403  
 Red=Cloning site Green=Tags(s)

MRVAVAGCCHGELDKIYETLALAEERRGSGPVDLLCCGDFQAVRNEADLRCAVPPKYRHMQTFYRYYS  
 EKKAPVLTIFIGGNHEASNHLQELPYGGWVAPNIYYLGLAGVVKYRGVRIIGGISGIFKSHDYRKGHFEC  
 PYNSSTIRSIYHVRNIEVYKQKQKQPVHIFLSDWPRNIYHYGNKKQLLTKSFFRQEVENSTLGS  
 PAA SELLEHLQPAYWFSAPHLVHKFAALMQHQATDKDQAGKETKFLALDKCLPHRDFLQVLEIEHDPSA  
 PEYLE YDVEWLTVLRATDDLINVTGGLWNMPEDNGLHTRWDYSATEETMKEVMEKLNHDPKVP  
 CNFTMTAACYPD SKPQTQVKLVHRINPQTTEFCAQLGITDINVMIQKAREEEHHQCGEYEQQGD  
 PGTGTEESEEDRSEYNTDTS ALSSINPDEIMLDEEEEEEEEEAVSAHSDMNTPSVEPASDQASDL  
 STSFSDIRNLPSSMFVSSDDASR SPASGEGKCGETVESGDEKDLAKFPLKRLSDEHEPEQRKKIKRR  
 NQAIYAAVDDGDASAE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

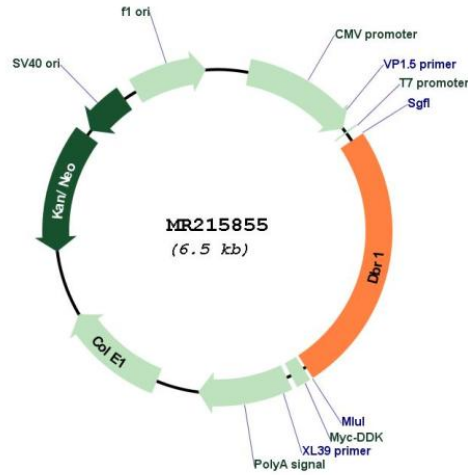
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_031403
<b>ORF Size:</b>	1650 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031403.3</a> , <a href="#">NP_113580.2</a>
<b>RefSeq Size:</b>	2103 bp
<b>RefSeq ORF:</b>	1653 bp
<b>Locus ID:</b>	83703
<b>UniProt ID:</b>	<a href="#">Q923B1</a>
<b>Cytogenetics:</b>	9 E3.3
<b>MW:</b>	62.7 kDa
<b>Gene Summary:</b>	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]