

## Product datasheet for **RN200463**

### **Dmd (NM\_012698) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dmd (NM_012698) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dmd
Synonyms:	DNADMD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN200463 representing NM\_012698  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGGAACACCTCAAAGGCCACGAGACCCAAACAACCTGTTGGGACCATCCAAAATGACAGAGCTCT  
 ACCAGTCTTTAGCTGACCTGAATAATGTCAGGTTCTCCGCTTATAGGACTGCCATGAAGCTCAGAAGACT  
 CCAGAAGGCCCTTTGCTTGGATCTCTTGAAGCTGTCAGCTGCATGTGACGCCCTGGACCAGCACAACTC  
 AAGCAAAATGATCAGCCCATGGATATCCTGCAGATAATTAAGTGTGACTACTATTTATGACCGTCTGG  
 AGCAAGAGCACACAATTTGGTCAATGTCCCTCTCTGTGTGGATATGTGTCTCAACTGGCTTCTCAATGT  
 TTATGATACGGGACGAACAGGGAGGATCCGTGTCTGTCTTTAAACTGGCATCATTTCTGTGTAAA  
 GCACACTTGAAGACAAGTACAGATACCTTTTCAAGCAAGTGGCAAGTTCAACCGCTTTTGTGACCAGC  
 GTAGACTGGGTCTTCTTCTGCATGATTCTATTCAAATCCCAAGACAGTTGGGTGAAGTTGCCTCCTTTGG  
 GGGCAGTAACATTGAGCCGAGTGTGAGGAGCTGTTCCAGTTTGCCAATAATAAACTGAGATTGAAGCC  
 GCTCTCTTCTTACTGACTGGATGCGTCTGGAACCCAGTCTATGGTGTGGCTGCCGGTCTTGACAGAGTGG  
 CTGCTGCTGAAACAGCCAAGCATCAGGCCAAGTGAACATCTGTAAGGAGTGTCCAATCATTGGATTGAG  
 GTACAGAAGCCTGAAACACTTTAATTATGACATCTGCCAAAGCTGCTTTTTTCTGGCCGAGTTGCTAAG  
 GGCCATAAAATGCACTACCCCATGGTAGAGTACTGCACTCCGACTACATCTGGAGAAGATGTTCTGTGACT  
 TTGCCAAGGACTGAAAAACAAATTTGAAACAAAAGGATTTTTCGAAGCATCCCCGAATGGGCTACCT  
 TCCAGTGCAGACTGTGTTAGAGGGGACAACATGGAAACGCCCTGCCTCGTCCCCCAGCTTTCACACGAT  
 GATACTCATTACGCATTGAGCATTATGCTAGCAGGCTAGCAGAAATGAAAAACAGCAATGGATCTTATC  
 TAAATGATAGCATCTCTCCTAATGAGAGCATAGATGATGAACATTTGTTAATCCAGCATTACTGCCAAAG  
 TTTGAACCAGGACTCCCCCTGAGCCAGCCTCGTAGTCCTGCCAGATCTTGATTTCCCTTAGAGAGTGGAG  
 GAAAGAGGGGAGCTAGAGAGAATCCTAGCAGATCTTGGAGGAAAGAAAACAGAAATCTGCAAGCAGAATATG  
 ATCGTCTGAAGCAGCAGCATGAGCATAAAGGCCTGTCCCACTGCCGTCTCCTCCTGAGATGATGCCAC  
 CTCTCCCAGAGTCCCAGGGATGCTGAACCTATTGCTGAGGCCAAGCTACTGCGCCAACACAAAGGACGT  
 CTGGAAGCCAGGATGCAAACTCCTGGAAGACCACAATAACAACCTGGAGTCTCAGTTACATAGACTGAGGC  
 AGCTCCTGGAGCAACCCAGGCTGAGGCCAAGGTGAATGCCACCACGGTGTCTCTCCTTCTACCTCGCT  
 GCAGAGGTGAGATAGCAGTCAGCCTATGCTGCTCCGAGTGGTTGGCAGTCAAACCTCAGAATCTATGGGT  
 GAGGAAGATCTTCTGAGTCTCCCAGGACACAAGCACAGGGTTAGAAGAAGTGTGAGGCAACTCAACA  
 ACTCTTCCCTAGTTCAAGAGGAAGAAATGCCCTGAAAAGCCAATGAGAGAGGACACAATG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_012698
- Insert Size:** 1815 bp
- 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:**

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\\_012698.3](#), [NP\\_036830.2](#)

**RefSeq Size:** 2022 bp

**RefSeq ORF:** 1815 bp

**Locus ID:** 24907

**Cytogenetics:** Xq21

**Gene Summary:** a vital component of a muscle sarcolemma membrane-spanning complex that connects cytoskeleton to basal lamina; plays a role in retinal neurotransmission; mutations cause Duchenne muscular dystrophy [RGD, Feb 2006]  
Transcript Variant: This variant (Dp71a) consists of 17 exons and encodes isoform Dp71a.