

Product datasheet for **RN200462**

Dmd (NM_001005244) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmd (NM_001005244) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dmd
Synonyms:	DNADMD1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN200462 representing NM_001005244
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAGGGAACACCTCAAAGGCCACGAGACCCAAACAACCTGTTGGGACCATCCAAAATGACAGAGCTCT
 ACCAGTCTTTAGCTGACCTGAATAATGTCAGGTTCTCCGCTTATAGGACTGCCATGAAGCTCAGAAGACT
 CCAGAAGGCCCTTTGCTTGGATCTCTTGAAGCTGTCAGCTGCATGTGACGCCCTGGACCAGCACAACCTC
 AAGCAAAATGATCAGCCCATGGATATCCTGCAGATAATTAAGTGTGACTACTTTATGACCGTCTGG
 AGCAAGAGCACAACAATTTGGTCAATGTCCCTCTCTGTGTGGATATGTGTCTCAACTGGCTTCTCAATGT
 TTATGATACGGGACGAACAGGGAGGATCCGTGTCTGTCTTTAAACTGGCATCATTTCTCTGTGTAAA
 GCACACTTGAAGACAAGTACAGATACCTTTTCAAGCAAGTGGCAAGTTCAACCGCTTTTGTGACCAGC
 GTAGACTGGTCTTCTTCTGCATGATTCTATTCAAATCCCAAGACAGTTGGGTGAAGTTGCCTCCTTTGG
 GGGCAGTAACATTGAGCCGAGTGTGAGGAGCTGTTCCAGTTTCCAATAATAAACTGAGATTGAAGCC
 GCTCTCTTCTTACTGGATGCGTCTGGAACCCAGTCTATGGTGTGGCTGCCGGTCTTGCACAGAGTGG
 CTGCTGCTGAAACAGCCAAGCATCAGGCCAAGTGAACATCTGTAAGGAGTGTCCAATCATTGGATTGAG
 GTACAGAAGCCTGAAACACTTTAATTATGACATCTGCCAAAGTCTTTTTTTCTGGCCGAGTTGCTAAG
 GGCCATAAAATGCACTACCCCATGGTAGAGTACTGCACTCCGACTACATCTGGAGAAGATGTTCTGTGACT
 TTGCCAAGGACTGAAAAACAATTTTGAACAAAAGGATTTTTCGAAGCATCCCCGAATGGGCTACCT
 TCCAGTGCAGACTGTGTTAGAGGGGACAAATGGAAACGCCCTGCCTCGTCCCCCAGCTTTCACACGAT
 GATACTCATTACGCATTGAGCATTATGCTAGCAGGCTAGCAGAAATGGAAAACAGCAATGGATCTTATC
 TAAATGATAGCATCTCTCTAATGAGAGCATAGATGATGAACATTTGTTAATCCAGCATTACTGCCAAAG
 TTTGAACCAGGACTCCCCCTGAGCCAGCCTCGTAGTCCTGCCAGATCTTGATTTCCCTTAGAGAGTGAG
 GAAAGAGGGGAGCTAGAGAGAATCCTAGCAGATCTTGAGGAAGAAAACAGAAATCTGCAAGCAGAATATG
 ATCGTCTGAAGCAGCAGCATGAGCATAAAGGCCTGTCCCACTGCCGTCTCCTCCTGAGATGATGCCAC
 CTCTCCCAGAGTCCCAGGGATGCTGAACCTATTGCTGAGGCCAAGCTACTGCGCCAACACAAAGGACGT
 CTGGAAGCCAGGATGCAAACTCTGGAAGACCACAATAACAACCTGGAGTCTCAGTTACATAGACTGAGGC
 AGCTCCTGGAGCAACCCAGGCTGAGGCCAAGGTGAATGGCACCACGGTGTCTCTCTCTACCTCGCT
 GCAGAGGTGAGATAGCAGTCAGCCTATGCTGCTCCGAGTGGTTGGCAGTCAAACCTCAGAATCTATGGT
 GAGGAAGATCTTCTGAGTCTCCCAGGACACAAGCACAGGGTTAGAAGAAGTGTGAGGCAACTCAACA
 ACTCCTTCCCTAGTTCAAGAGGACACAATGTAGGAAGCCTTTTCCACATGGCAGATGATTTGGGCAGAGC
 GATGGAGTCTTAGTTTTCAGTCATGATAGATGAAGAAGGAGCAGAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001005244

Insert Size: 1869 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_001005244.2](#), [NP_001005244.1](#)

RefSeq Size: 1990 bp

RefSeq ORF: 1869 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 (Dp71ab) lacks an exon in the 3' coding region, resulting in a frameshift, as compared to variant Dp71a. The encoded isoform Dp71ab has a longer and distinct C-terminus, as compared to isoform Dp71a.