

Product datasheet for **RN200461**

Dmd (NM_001005246) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmd (NM_001005246) 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: >RN200461 representing NM_001005246
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGGAACACCTCAAAGGCCACGAGACCCAAACAACCTGTTGGGACCATCCAAAATGACAGAGCTCT
ACCAGTCTTTAGCTGACCTGAATAATGTCAGTTCTCCGCTTATAGGACTGCCATGAAGCTCAGAAGACT
CCAGAAGGCCCTTTGCTTGGATCTCTTGTAGCCTGTCAGCTGCATGTGACGCCCTGGACCAGCACAACCTC
AAGCAAAATGATCAGCCCATGGATATCCTGCAGATAATTAACCTGTTGACTACTATTTATGACCGTCTGG
AGCAAGAGCACAACAATTTGGTCAATGTCCCTCTCTGTGTGGATATGTGTCTCAACTGGCTTCTCAATGT
TTATGATACGGGACGAACAGGGAGGATCCGTGTCTGTCTTTAAAACCTGGCATCATTTCTCTGTGTAAA
GCACACTTGAAGACAAGTACAGATACCTTTTCAAGCAAGTGGCAAGTTCAACCGCTTTTGTGACCAGC
GTAGACTGGGTCTTCTTCTGCATGATTCTATTCAAATCCCAAGACAGTTGGGTGAAGTTGCCTCCTTTGG
GGCAGTAACATTGAGCCGAGTGTGAGGAGCTGTTCCAGTTTCCAATAATAAACCTGAGATTGAAGCC
GCTCTCTTCTTACTGATGCTGTGGAACCCAGTCTATGGTGTGGCTGCCGGTCTTGCACAGAGTGG
CTGCTGTGAAACAGCCAAGCATCAGGCCAAGTGAACATCTGTAAGGAGTGTCCAATCATTGGATTGAG
GTACAGAAGCCTGAAACACTTTAATTATGACATCTGCCAAAGCTGCTTTTTTCTGGCCGAGTTGCTAAG
GGCCATAAAATGCACTACCCCATGGTAGAGTACTGCACTCCGACTACATCTGGAGAAGATGTTCTGACT
TTGCCAAGGACTGAAAAACAATTTTGAACAAAAGGATTTTTGCGAAGCATCCCCGAATGGGCTACCT
TCCAGTGCAGACTGTGTTAGAGGGGGACAACATGGAAACAATCTGCAAGCAGAATATGATCGTCTGAAG
CAGCAGCATGAGCATAAAGGCCGTGCCACTGCCGTCTCCTCCTGAGATGATGCCACCTCTCCCAGAG
GTCCCAGGGATGCTGAACTCATTGCTGAGGCCAAGTACTGCGCCAACACAAAGGACGCTGGAAGCCAG
GATGCAAATCCTGGAAGACCACAATAAACAACCTGGAGTCTCAGTTACATAGACTGAGGCAGCTCCTGGAG
CAACCCAGGCTGAGGCCAAGGTGAATGCACCCAGGTGTCTCTCCTTCTACCTCGCTGCAGAGGTCAG
ATAGCAGTCAAGCTATGCTGCTCCGAGTGGTTGGCAGTCAAACCTCAGAATCTATGGGTGAGGAAGATCT
TCTGAGTCTCCCAGGACACAAGCACAGGGTTAGAAGAAGTATGGAGCAACTCAACAACCTCTTCCCT
AGTTCAAGAGGAAGAAATGCCCTGGAAAGCCAATGAGAGAGGACACAATGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001005246

Insert Size: 1524 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_001005246.1](#), [NP_001005246.1](#)

RefSeq Size: 2038 bp

RefSeq ORF: 1524 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 (Dp71c) lacks an in-frame segment including three exons in the coding region, as compared to variant Dp71a. The encoded isoform 71c lacks an internal segment, as compared to isoform Dp71a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.