

## Product datasheet for **MC228662**

### **Dtna (NM\_001285817) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dtna (NM_001285817) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dtna
Synonyms:	2210407P21Rik; a-DB-1; adbn; Dtn; DTN-A; Gm19389
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228662 representing NM\_001285817  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATTGAAGATAGTGGAAAAGAGGAAACACCATGGCAGAAAGAAGACAGCTGTTTGCAGAGATGAGGG  
 CTAAGATCTGGATCGCATCCGACTCTCCACCTACAGAACAGCATGCAAGCTGAGATTTGTGCAGAAGAA  
 ATGCAATTTGCACCTGGTGGACATTTGGAACGTATTGAAGCATTGCGCGAAAACGCTTTGAATAACCTG  
 GACCCAAACATAGAACTCAACGTGGCCCGCTGGAGGCGGTGCTCTCCACTATTTTTTACCAGCTCAACA  
 AGAGGATGCCAACCACTACCAAATCCACGTGGAGCAGTCCATCAGTCTCCTGCTGAACTTCTGCTCGC  
 AGCCTTTGACCCGGAAGGCCATGGAAAAATCTCAGTATTTGCTGTCAAAATGGCTTTGGCTACATTGTGT  
 GGAGGAAAGATCATGGACAAGTTAAGATATATTTTCTCAATGATCTCTGACTCCAGTGGAGTGATGGTAT  
 ATGGAAGATATGACCAATTCCTTCGGGAAGTTCTCAAACACCCACAGCAGTTTTTGAAGGTCCTTCATT  
 TGTTTACACAGAACAGTCAGCCAGATCCTGTTTCTCCCAACAGAAAAGGTCACCTTAAATGGCTTCTTG  
 GACACGCTCATGTGACACCCTCCTCCACAGTGCCTGGTATGGCTGCCTTCTTGCACCGACTGGCAAATG  
 TAGAAAATGTCTTCCATCCAGTTGAGTGTCTCTACTGTCACAGTGAAGCATGATGGGATTTTCGATACCG  
 ATGTCAACAGTGTCACACTACCAGCTTGGCAGGACTGCTTCTGGAGGGGCCATGCAGGAGGTTTCAT  
 AGCAACCAGCACCAAATGAAGGAGTACGTCTGGAAATCACCTGCTAAGAAGCTAACGAATGCATTA  
 GCAAGTCCCTGAGCTGTGCTTCAAGCCGTGAACCTTGCACCCCATGTTCCAGACCAGCCTGAAAAGCC  
 ACTCAACTGGCTCACATCGTGCCTCCGAGACCTGAACCAGCATGAACGACACTCTTTTCCACTCT  
 GTTCCCTCCTCAGGAAGTCTTTTATCACCAGGAGTATGCTTGAAGTTCAAACCGGCTTGATGAAGAAC  
 ACAGGCTGATCGCCAGGTACGCCGACGACTGGCAGCAGAATCCTCCTCATCACAGCCACACAGCAGAG  
 GAGTGCCCTGACATCTCCTTACCATCGATGCAATAAACAGCAAAGGCAGCTGATTGCAGAGCTAGAG  
 AACAGAACAGAGAAATCTTACAAGAGATTCAGAGACTTCGGGTAGAACATGAGCAAGCTTCCAGCCCA  
 CGCCAGAGAAAGCTCAGCAGAACCAACCTTGCTGGCAGAACTCCGGCTCCTCAGACAGCGAAAGGATGA  
 GCTAGAACAGAGAATGTCTGCTCTCCAGGAGAGCCGGAGAGAGCTGATGGTCCAGTTGGAAGGTCTCATG  
 AAGCTCCTGAAGACCCAGGGGGCAAGCTCCCCACGCTCTTCCCCAGCCACACCATCAGCAGGCCGATCC  
 CCATGCCATCCGTTGAGCATCTGCCTGTCCACACCAACGCACACCCCGCAGGACTCCCTACTGGGGT  
 AGGCGGAGATGTGCAAGAGGCGTTTGCACAAAGTTCGAGAAGGAATCTAAGGAGTGACCTGCTGGTGGCT  
 GCAGACTCCATACCAATACCATGTCCTCTCTGGTGAAGGAGCTGAATTCAGAGGTGGCAGTGAACAG  
 AAAGTACTGTGGATTCCGAGTTCTCGAGACCTCAGTTTGAGGATCTGGCTCCATACCGACTCTGAGAA  
 GGTTTTCTAGCCAAATCCACTCCCGGAAACCTGGGTACATTACGGTGGAGCTGCAAGTACCACGCAT  
 GGTGACATGGTCCCGGAAGATGGGGATCCTTACACGCAACCCGAGGATGGCAATTATGAGAACGAGTCTG  
 TGCGGCAGCTGGAGAATGAGCTGCAGCTGGAGGAGTACCTGAAGCAGAAGCTGCAGGACGAGGCCTACCA  
 GGTCAGCTTGAAGGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001285817

**Insert Size:** 2049 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001285817.1</a></u> , <u><a href="#">NP_001272746.1</a></u>
<b>RefSeq Size:</b>	6210 bp
<b>RefSeq ORF:</b>	2049 bp
<b>Locus ID:</b>	13527
<b>UniProt ID:</b>	<u><a href="#">Q9D2N4</a></u>
<b>Cytogenetics:</b>	18 12.08 cM
<b>Gene Summary:</b>	<p>Involved in synapse maturation and required for normal muscle function.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (6) differs in the 5' UTR, 3' UTR and lacks three in-frame exons in the coding region compared to variant 1. The encoded protein (isoform d) is shorter than isoform a. Variants 5 and 6 encode the same protein.</p>