

Product datasheet for **MC228670**

Dtna (NM_001285813) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtna (NM_001285813) 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



[View online »](#)

Fully Sequenced ORF: >MC228670 representing NM_001285813
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGATTGAAGATAGTGGAAAAAGAGGAAACACCATGGCAGAAAGAAGACAGCTGTTTGCAGAGATGAGGG
 CTAAGATCTGGATCGCATCCGACTCTCCACCTACAGAACAGCATGCAAGCTGAGATTTGTGCAGAAGAA
 ATGCAATTTGCACCTGGTGGACATTTGGAACGTCAATTGAAGCATTGCGCGAAAACGCTTTGAATAACCTG
 GACCCAAACATAGAACTCAACGTGGCCCGCTGGAGGCGGTGCTCTCCACTATTTTTTACCAGCTCAACA
 AGAGGATGCCAACCACTACCAAATCCACGTGGAGCAGTCCATCAGTCTCCTGCTGAACTTCTGCTCGC
 AGCCTTTGACCCGGAAGGCCATGGAAAAATCTCAGTATTTGCTGTCAAAATGGCTTTGGCTACATTGTGT
 GGAGGAAAGATCATGGACAAGTTAAGATATATTTTCTCAATGATCTCTGACTCCAGTGGAGTGATGGTAT
 ATGGAAGATATGACCAATTCCTTCGGGAAGTTCTCAAACACCCACAGCAGTTTTTGAAGGTCCTTCATT
 TGGTTACACAGAACAGTCAGCCAGATCCTGTTTCTCCCAACAGAAAAGGTCACCTTAAATGGCTTCTTG
 GACACGCTCATGTGACACCTCCTCCACAGTGCCTGGTATGGCTGCCTTCTGACCCGACTGGCAAATG
 TAGAAAATGTCTTCCATCCAGTTGAGTGTCTCTACTGTCACAGTGAAGCATGATGGGATTTGATACCG
 ATGTCAACAGTGTCACACTACCAGCTTGGCAGGACTGCTTCTGGAGGGGCCATGCAGGAGGTTTCAT
 AGCAACCAGCACCAAATGAAGGAGTACGTCGTGGAAATCACCTGCTAAGAAGCTAACGAATGCATTA
 GCAAGTCCCTGAGCTGTGCTTCAAGCCGTGAACCTTGCACCCCATGTTCCAGACCAGCCTGAAAAGCC
 ACTCAACTGGCTCACATCGTTGATACTGGCCTCCGAGACCTGTAACCAGCATGAACGACACACTTTT
 TCCCACTCTGTTCCCTCCTCAGGAAGTCCTTTCATCACCAGGAGTATGCTTGAGAGTTCAAACCGGCTTG
 ATGAAGAACACAGGCTGATCGCCAGGTACGCCGCACGACTGGCAGCAGAATCCTCCTCATCACAGCCAC
 ACAGCAGAGGAGTGCCCTGACATCTCCTTACCATCGATGCAAATAAACAGCAAAGGCAGCTGATTGCA
 GAGCTAGAGAACAAGAACAGAGAAATCTTACAAGAGATTACAGAGACTTCGGGTAGAACATGAGCAAGCTT
 CCCAGCCACGCCAGAGAAAGCTCAGCAGAACCCAACTTGTGGCAGAACTCCGGCTCCTCAGACAGCG
 AAAGGATGAGCTAGAACAGAGAAATGTCTGCTCTCCAGGAGAGCCGGAGAGAGCTGATGGTCCAGTTGGAA
 GGTCTCATGAAGCTCCTGAAGACCCAGGGGCAAGCTCCACACGCTTCCCCAGCCACACCATCAGCA
 GGCCGATCCCATGCCATCCGTTACAGCATCTGCCTGTCCACACCAACGCACACCCCGCAGGACTCCCT
 CACTGGGGTAGGCGGAGATGTGCAAGAGGCGTTTGCACAAAGTTCGAGAAGGAATCTAAGGAGTGACCTG
 CTGGTGGCTGCAGACTCCATACCAATACCATGTCTCTGCTGAGGAGCTGAATTCAGAGGTGGCGA
 GTGAAACAGAAAGTACTGTGGATTCCGAGTTCTCGAGACCTCAGTTTGAAGGATCTGGCTCCATCACCAGC
 CTCTGAGAAGGCTTTTCTAGCCCAAATCCACTCCCGGAAACCTGGGTACATTACCGGTGGAGCTGCAAGT
 ACCACGATGGTGACATGGTCCCGGAAGATGGGGATCCTTACACGCAACCCGAGGATGGCAATTATGAGA
 ACGAGTCTGTGCGGCAGCTGGAGAATGAGCTGCAGCTGGAGGAGTACCTGAAGCAGAAGCTGCAGGACGA
 GGCCTACCAGGTCAGCTTGAAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001285813

Insert Size: 2058 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001285813.1</u> , <u>NP_001272742.1</u>
RefSeq Size:	6376 bp
RefSeq ORF:	2058 bp
Locus ID:	13527
Cytogenetics:	18 12.08 cM
Gene Summary:	<p>Involved in synapse maturation and required for normal muscle function.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, 3' UTR and has multiple differences in the coding region compared to variant 1. The resulting protein (isoform c) maintains the reading frame, and is shorter compared to isoform a. Variants 3 and 4 encode the same protein.</p>