

Product datasheet for **MC228682**

Dtna (NM_001285808) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtna (NM_001285808) 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: >MC228682 representing NM_001285808
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGATTGAAGATAGTGGAAAAGAGGAAACACCATGGCAGAAAGAAGACAGCTGTTTGCAGAGATGAGGG
 CTAAGATCTGGATCGCATCCGACTCTCCACCTACAGAACAGCATGCAAGCTGAGATTTGTGCAGAAGAA
 ATGCAATTTGCACCTGGTGGACATTTGGAACGTCAATTGAAGCATTGCGCGAAAACGCTTTGAATAACCTG
 GACCCAAACATAGAACTCAACGTGGCCCGCTGGAGGCGGTGCTCTCCACTATTTTTTACCAGCTCAACA
 AGAGGATGCCAACCACTACCAAATCCACGTGGAGCAGTCCATCAGTCTCCTGCTGAACTTCTGCTCGC
 AGCCTTTGACCCGGAAGGCCATGGAAAAATCTCAGTATTTGCTGTCAAAATGGCTTTGGCTACATTGTGT
 GGAGGAAAGATCATGGACAAGTTAAGATATATTTTCTCAATGATCTCTGACTCCAGTGGAGTGATGGTAT
 ATGGAAGATATGACCAATTCCTTCGGGAAGTTCTCAAACACCCACAGCAGTTTTTGAAGGTCCTTCATT
 TGGTTACACAGAACAGTCAGCCAGATCCTGTTTCTCCCAACAGAAAAGGTCACCTTAAATGGCTTCTTG
 GACACGCTCATGTGACACCCTCCTCCACAGTGCCTGGTATGGCTGCCTTCTGACCCGACTGGCAAATG
 TAGAAAATGTCTTCCATCCAGTTGAGTGTCTCTACTGTCACAGTGAGAGCATGATGGGATTTTCGATACCG
 ATGTCAACAGTGTCACACTACCAGCTTTGCCAGGACTGCTTCTGGAGGGGCCATGCAGGAGGTTTCAT
 AGCAACCAGCACCAATGAAGGAGTACGTCGTGGAAATCACCTGCTAAGAAGCTAACGAATGCATTA
 GCAAGTCCCTGAGCTGTGCTTCAAGCCGTGAACCTTTGCACCCCATGTTCCAGACCAGCCTGAAAAGCC
 ACTCAACTTGGCTCACATCGTGCCTCCGAGACCTGTAACCAGCATGAACGACACTCTTTTCCACTCT
 GTTCCCTCCTCAGGAAGTCTTTTATCACCAGGAGTATGCTTGAGAGTTCAAACCGGCTTGATGAAGAAC
 ACAGGCTGATCGCCAGGTACGCCGACGACTGGCAGCAGAATCCTCCTCATCACAGCCACACAGCAGAG
 GAGTGCCCTGACATCTCCTTACCATCGATGCAAATAAACAGCAAAGGCAGCTGATTGCAGAGCTAGAG
 AACAGAACAGAGAAATCTTACAAGAGATTGAGAGACTTCGGGTAGAACATGAGCAAGCTTCCAGCCCA
 CGCCAGAGAAAGCTCAGCAGAACCAACCTTGCTGGCAGAACTCCGGCTCCTCAGACAGCGAAAGGATGA
 GCTAGAACAGAGAATGTCTGCTCTCCAGGAGAGCCGGAGAGAGCTGATGGTCCAGTTGGAAGGTCTCATG
 AAGCTCCTGAAGGAAGAAGAACTGAAGCAGGGAACCCAGGGGCAAGCTCCACAGCTCTTCCCCAGCC
 ACACCATCAGCAGGCCGATCCCCATGCCATCCGTTCCAGCATCTGCCTGTCCACACCAACGCACACCCC
 GCAGGACTCCCTACTGGGTAGGCGGAGATGTGCAAGAGGCGTTTGCACAAAGTTGAGAAGGAATCTA
 AGGAGTGACCTGTGGTGGCTGCAGACTCCATACCAATACCATGTCCTCTCTGGTGAAGGAGCTGAATT
 CAGAGGTGGCGAGTGAACAGAAAGTACTGTGGATTCCGAGTTCTCGAGACCTCAGTTTGAAGATCTGGC
 TCCATCACCGACCTCTGAGAAGGCTTTTCTAGCCCAAATCCACTCCCGGAAACCTGGGTACATTCACGGT
 GGAGCTGCAAGTACCACGCATGGTGACATGGTCCCGGAAGATGGGGATCCTTACACGCAACCCGAGGATG
 GCAATTATGAGAACGAGTCTGTGCGGCAGCTGGAGAATGAGCTGCAGCTGGAGGAGTACCTGAAGCAGAA
 GCTGCAGGACGAGGCCTACCAGTCCAGCTTGAAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001285808

Insert Size: 2070 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_001285808.1</u> , <u>NP_001272737.1</u>
RefSeq Size:	6231 bp
RefSeq ORF:	2070 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 (2) differs in the 5' UTR, 3' UTR and lacks two in-frame exons in the coding region compared to variant 1. The encoded protein (isoform b) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>