

Product datasheet for **MC228833**

Dtna (NM_001285807) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtna (NM_001285807) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dtna
Synonyms:	2210407P21Rik; a-DB-1; adbn; Dtn; DTN-A; Gm19389
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228833 representing NM_001285807
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTGAAGATAGTGGAAAAAGAGGAAACACCATGGCAGAAAGAAGACAGCTGTTTGCAGAGATGAGGG
 CTAAGATCTGGATCGCATCCGACTCTCCACCTACAGAACAGCATGCAAGCTGAGATTTGTGCAGAAGAA
 ATGCAATTTGCACCTGGTGGACATTTGGAACGTCAATTGAAGCATTGCGCGAAAACGCTTTGAATAACCTG
 GACCCAAACATAGAACTCAACGTGGCCCGCTGGAGGCGGTGCTCTCCACTATTTTTTACCAGCTCAACA
 AGAGGATGCCAACCACTACCAAATCCACGTGGAGCAGTCCATCAGTCTCCTGCTGAACTTCTGCTCGC
 AGCCTTTGACCCGGAAGGCCATGGAAAAATCTCAGTATTTGCTGTCAAAATGGCTTTGGCTACATTGTGT
 GGAGGAAAGATCATGGACAAGTTAAGATATATTTTCTCAATGATCTCTGACTCCAGTGGAGTGATGGTAT
 ATGGAAGATATGACCAATTCCTTCGGGAAGTTCTCAAACACCCAGCAGTTTTTGAAGGTCCTTCATT
 TGTTTACACAGAACAGTCAGCCAGATCCTGTTTCTCCCAACAGAAAAGGTCACCTTAAATGGCTTCTTG
 GACACGCTCATGTGACACCTCCTCCACAGTGCCTGGTATGGCTGCCTTCTTGCACCGACTGGCAAATG
 TAGAAAATGTCTTCCATCCAGTTGAGTGTCTCTACTGTCACAGTGAAGCATGATGGGATTTTCGATACCG
 ATGTCAACAGTGTCACACTACCAGCTTGGCAGGACTGCTTCTGGAGGGCCATGCAGGAGGTTTCAT
 AGCAACCAGCACCAAATGAAGGAGTACGTCTGGAAATCACCTGCTAAGAAGCTAACGAATGCATTAA
 GCAAGTCCCTGAGCTGTGCTTCAAGCCGTGAACCTTTCACCCCATGTTCCAGACCAGCCTGAAAAGCC
 ACTCAACTGGCTCACATCGTGCCTCCGAGACCTGTAACCAGCATGAACGACACTCTTTTCCACTCT
 GTTCCCTCCTCAGGAAGTCTTTTCCATCACCAGGAGCTCTCTCCCAAGGACAGTGAAGTAGAACAGAA
 AAATGGCTAGGGCTAGGGCTGCTCCCGCTTCTGAAGGGCAGAGGGATACAGTACAGCCTGAATGTGGCAG
 CAGGCTAGCTGATGAACATGTTCTCATTGGGTTGTATGTCAACATGCTCCGGAACAACCCACCATGTATG
 CTTGAGAGTTCAAACCGCTTGTGAAGAACACAGGCTGATCGCCAGGTACGCCGACGACTGGCAGCAG
 AATCCTCCTCATCACAGCCACACAGCAGAGGAGTGCCCTGACATCTCCTTACCATCGATGCAAAATA
 ACAGCAAAGGCAGCTGATTGCAGAGCTAGAGAACAAGAACAGAGAAATCTTACAAGAGATTCAGAGACTT
 CGGGTAGAACATGAGCAAGCTTCCAGCCACGCCAGAGAAAGCTCAGCAGAACCAACCTTGTGGCAG
 AACTCCGGCTCCTCAGACAGCGAAAGGATGAGCTAGAACAGAGAATGTCTGCTCTCCAGGAGAGCCGGAG
 AGAGCTGATGGTCCAGTTGGAAGGTCTCATGAAGCTCCTGAAGGAAGAAGAACTGAAGCAGGGAACCCAG
 GGGCAAGCTCCCACGCTCTTCCCCAGCCACACCATCAGCAGGCCGATCCCCATGCCATCCGTTTCAG
 CATCTGCCTGTCCACACCAACGCACACCCCGCAGGACTCCCTCACTGGGGTAGGCGGAGATGTGCAAGA
 GCGTTTTGCACAAAGTTCGAGAAGGAATCTAAGGAGTGACCTGCTGGTGGCTGCAGACTCCATCACAAT
 ACCATGTCCTCTCTGGTGAAGGAGCTGAATTCAGAGGTGGCGAGTGAAACAGAAAGTACTGTGGATTCCG
 AGTTCTCGAGACCTCAGTTTGGAGATCTGGCTCCATCACCAGCTCTGAGAAGGCTTTTCTAGCCCAAT
 CCACTCCCGAAACCTGGGTACATTACGGTGGAGCTGCAAGTACCACGCATGGTACATGGTCCCGGAA
 GATGGGGATCCTTACACGCAACCCGAGGATGGCAATTATGAGAACGAGTCTGTGCGGCAGCTGGAGAATG
 AGCTGCAGCTGGAGGAGTACCTGAAGCAGAAGCTGCAGGACGAGGCTACCAGGTCAGCTTGAAGGTTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
 ACCN: NM_001285807
 Insert Size: 2241 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001285807.1</u> , <u>NP_001272736.1</u>
RefSeq Size:	3954 bp
RefSeq ORF:	2241 bp
Locus ID:	13527
UniProt ID:	<u>Q9D2N4</u>
Cytogenetics:	18 12.08 cM
Gene Summary:	Involved in synapse maturation and required for normal muscle function.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (a).