

Product datasheet for **MR230893**

Dtna (NM_001285808) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtna (NM_001285808) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide
Sequence:

>MR230893 representing NM_001285808
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATTGAAGATAGTGGAAAAAGAGGAAACACCATGGCAGAAAGAAGACAGCTGTTTGCAGAGATGAGGG
CTCAAGATCTGGATCGCATCCGACTCTCCACCTACAGAACAGCATGCAAGCTGAGATTTGTGCAGAAGAA
ATGCAATTTGCACCTGGTGGACATTTGGAACGTCAATTGAAGCATTGCGCGAAAACGCTTTGAATAACCTG
GACCCAAACATAGAACTCAACGTGGCCCGCTGGAGGCGGTGCTCTCCACTATTTTTTACCAGCTCAACA
AGAGGATGCCAACCACTACCAAATCCACGTGGAGCAGTCCATCAGTCTCCTGCTGAACTTCTGCTCGC
AGCCTTTGACCCGGAAGGCCATGGAAAAATCTCAGTATTTGCTGTCAAAATGGCTTTGGCTACATTGTGT
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ATGGAAGATATGACCAATTCCTTCGGGAAGTTCTCAAACACCCACAGCAGTTTTTGAAGGTCCTTCATT
TGTTTACACAGAACAGTCAGCCAGATCCTGTTTCTCCCAACAGAAAAAGGTCACCTTAAATGGCTTCTTG
GACACGCTCATGTGACACCCTCCTCCACAGTGCCTGGTATGGCTGCCTCTTCTGCACCGACTGGCAAATG
TAGAAAATGTCTTCCATCCAGTTGAGTGTCTCTACTGTCACAGTGAAGCATGATGGGATTTTCGATACCG
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AGCAACCAGCACCAATGAAGGAGTACGTCTGGAAATCACCTGTAAAGAGCTAACGAATGCATTA
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ACTCAACTTGGCTCACATCGTGCCTCCGAGACCTGTAACCAGCATGAACGACACACTCTTTCCCACTCT
GTTCCCTCCTCAGGAAGTCTTTTATCACCAGGAGTATGCTTGAGAGTTCAAACCGGCTTGATGAAGA
ACAGGCTGATCGCCAGGTACGCCGACGACTGGCAGCAGAAATCCTCCTCATCACAGCCACACAGCAGAG
GAGTGCCCTGACATCTCCTTACCATCGATGCAATAAACAGCAAAGGCAGCTGATTGCAGAGCTAGAG
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CGCCAGAGAAAGCTCAGCAGAACCAACCTTGGTGGCAGAACTCCGGCTCCTCAGACAGCGAAAGGATGA
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GCAATTATGAGAACGAGTCTGTGCGGCAGCTGGAGAATGAGTGCAGCTGGAGGAGTACCTGAAGCAGAA
GCTGCAGGACGAGGCCTACCAGTCACTTGAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230893 representing NM_001285808
 Red=Cloning site Green=Tags(s)

MIEDSGKRGNTMAERRQLFAEMRAQDLDRIRLSTYRTACKLRFVQKKNLHLVDIWNVIEALRENALNNL
 DPNIELNVARLEAVLSTIFYQLNKRMPPTHQIHVEQSISLLLNFLLAADFPEGHGKISVFAVKMALATLC
 GPKIMDKLRYIFSMISDSSGVMVYGRYDQFLREVLKLP TAVFEGPSFGYTEQSARSCFSQQKQVTLNGFL
 DTLMSDPPPQCLVWLPLLHRLANVENVFHPVECSYCHSESMGMFRYRCQQCHNYQLCQDCFWRGHAGGSH
 SNQHQMKEYTSWKSPAKKLTNALSKSLSCASSREPLHPMFDPQPEKPLNLAHIVPPRPVTSMNDTLF SHS
 VPSSGSPFITRSMLESSNRLDEEHRLIARYAARLAAESSSSQPTQORSAPDISFTIDANKQQRQLIAELE
 NKNREILQEIQRLRVEHEQASQPTPEKAQQNPTLLAELRLLRQRKDELEQRMSALQESRRELMVQLEGLM
 KLLKEEELKQGTQGASSPRSSHTISRPIPMPIRSASACPTPHTHPQDSL TGVGGDVQEAFAQSSRRNL
 RSDLLVAADSI TNMSSLVKELNSEVASETESTVDSEFSRPQFEDLAPSPTSEKAFLAQIHSRKP GYIHG
 GAASTTHGDMVPEDGDPYTQPEDGNYENESVRQLENELQLEEYKQKLQDEAYQVSLQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

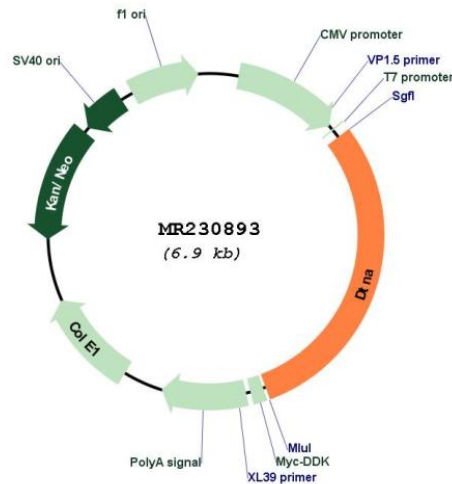
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285808

ORF Size: 2067 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001285808.1](#), [NP_001272737.1](#)

RefSeq Size: 6231 bp

RefSeq ORF:	2070 bp
Locus ID:	13527
Cytogenetics:	18 12.08 cM
MW:	78.2 kDa
Gene Summary:	Involved in synapse maturation and required for normal muscle function.[UniProtKB/Swiss-Prot Function]