

Product datasheet for **MR230547**

Dtna (NM_001285811) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtna (NM_001285811) 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:

>MR230547 representing NM_001285811
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATTGAAGATAGTGGAAAAAGAGGAAACACCATGGCAGAAAGAAGACAGCTGTTTGCAGAGATGAGGG
 CTAAGATCTGGATCGCATCCGACTCTCCACCTACAGAACAGCATGCAAGCTGAGATTTGTGAGAAAGAA
 ATGCAATTTGCACCTGGTGGACATTTGGAACGTATTGAAGCATTGCGCGAAAACGCTTTGAATAACCTG
 GACCCAAACATAGAACTCAACGTGGCCCGCTGGAGGCGGTGCTCTCCACTATTTTTTACCAGCTCAACA
 AGAGGATGCCAACACTACCAAATCCACGTGGAGCAGTCCATCAGTCTCCTGCTGAACCTCCTGCTCGC
 AGCCTTTGACCCGGAAGGCCATGGAAAAATCTCAGTATTTGCTGTCAAAATGGCTTTGGCTACATTGTGT
 GGAGGAAAGATCATGGACAAGTTAAGATATATTTTCTCAATGATCTCTGACTCCAGTGGAGTGATGGTAT
 ATGGAAGATATGACCAATTCCTTCGGGAAGTTCTCAAACACCCACAGCAGTTTTTGAAGGTCCTTCATT
 TGGTTACACAGAACAGTCAGCCAGATCCTGTTTCTCCCAACAGAAAAAGGTCACCTTAAATGGCTTCTTG
 GACACGCTCATGTGACACCTCCTCCACAGTGCCTGGTATGGCTGCCTCTCTGACCCGACTGGCAAATG
 TAGAAAATGTCTTCCATCCAGTTGAGTGTCTCTACTGTCACAGTGAAGCATGATGGGATTTGATACCG
 ATGTCAACAGTGTCACACTACCAGCTTGGCAGGACTGCTTCTGGAGGGGCCATGCAGGAGGTTTCAT
 AGCAACCAGCACCAAATGAAGGAGTATACGTCGTGAAATCACCTGCTAAGAAGCTAACGAATGCATTAA
 GCAAGTCCCTGAGCTGTGCTTCAAGCCGTGAACCTTGCACCCCATGTTCCAGACCAGCCTGAAAAGCC
 ACTCAACTGGCTCACATCGTGCCTCCGAGACCTGTAACCAGCATGAACGACACTCTTTTCCACTCT
 GTTCCCTCCTCAGGAAGTCCTTTCATCACCAGGAGCTCTCCTCCAAGGACAGTGAAGTAGAACAGACA
 AAATGCTGGCTAGGGCTGCTCCCGCTTCTGAAGGGCAGAGGGATACAGTACAGCCTGAATGTGGCAGA
 CAGGCTAGCTGATGAACATGTTCTCATTGGTTGTATGTCAACATGCTCCGGAACAACCCACCATGTATG
 CTTGAGAGTTCAAACCGCTTGTGAAGAACACAGGCTGATCGCCAGGTACGCCGACGACTGGCAGCAG
 AATCCTCCTCATCACAGCCACACAGCAGAGGAGTGCCCTGACATCTCCTTACCATCGATGCAATAA
 ACAGCAAAGGCAGCTGATTGCAGAGCTAGAGAACAAGAACAGAGAAATCTTACAAGAGATTCAGAGACTT
 CGGGTAGAACATGAGCAAGCTTCCAGCCACGCCAGAGAAAGCTCAGCAGAACCCAACTTGTGTCAG
 AACTCCGGCTCCTCAGACAGCGAAAGGATGAGCTAGAACAGAGAATGTCTGCTCTCCAGGAGAGCCGGAG
 AGAGCTGATGGTCCAGTTGGAAGGTCTCATGAAGCTCCTGAAGGAAGAAGAACTGAAGCAGGGAGTAATG
 CATGAAATATCCCCCTTGAGGAGAGAACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230547 representing NM_001285811
 Red=Cloning site Green=Tags(s)

MIEDSGKRGNTMAERRQLFAEMRAQDLDRIRLSTYRTACKLRFVQKKNLHLVDIWNVIEALRENALNNL
 DPNIELNVARLEAVLSTIFYQLNKRMPPTHQIHVEQSI SLLLNFLLAAPDFEGHGKISVFAVKMALATLC
 GGKIMDKLRYIFSMISDSSGVMVYGRYDQFLREVLKLP TAVFEGPSFGYTEQSARSCFSQQKVTNLNGFL
 DTLMSDPPPQCLVWLPLLHRLANVENVFPVECSYCHSE SMMGFYRCQQCHNYQLCQDCFWRGHAGGSH
 SNQHQMKEYTSWKSPAKKLTNLSKSLSCASSREPLHPMFPDQPEKPLNLAHIVPPRPVTSMDTLF SHS
 VPSSGSPFITRSSPPKDSEVEQNKMLARAAPAF LKGRGIQYSLNVADRLADEHVLIGLYVNMLRNNPPCM
 LESSNRLDEEHLIARYAARLAAESSSSQPTQQR SAPDISFTIDANKQQRQLIAELENKNREILQEIQRL
 RVEHEQASQPTPEKAQQNPTLLAELRLLRQRKDELEQRMSALQESRRELMVQLEGLMKLLKEELKQGV M
 HEIIPLEERT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<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:	NM_001285811.1 , NP_001272740.1
RefSeq Size:	2152 bp
RefSeq ORF:	1713 bp
Locus ID:	13527
Cytogenetics:	18 12.08 cM
MW:	65.6 kDa
Gene Summary:	Involved in synapse maturation and required for normal muscle function.[UniProtKB/Swiss-Prot Function]