

Product datasheet for **MG219202**

Dtna (NM_010087) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtna (NM_010087) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dtna
Synonyms:	2210407P21Rik; a-DB-1; adbn; Dtn; DTN-A; Gm19389
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219202 representing NM_010087 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGAAGATAGTGGAAAAAGAGGAAACACCATGGCAGAAAGAAGACAGCTGTTTGCAGAGATGAGGG
CTCAAGATCTGGATCGCATCCGACTCTCCACCTACAGAACAGCATGCAAGCTGAGATTTGTGCAGAAAGAA
ATGCAATTTGCACCTGGTGGACATTTGGAACGTCATTGAAGCATTGCGCGAAAACGCTTTGAATAACCTG
GACCCAAACATAGAACTCAACGTGGCCCGCTGGAGGCGGTGCTCTCCACTATTTTTACCAGCTCAACA
AGAGGATGCCAACCACTACCAAATCCAGTGGAGCAGTCCATCAGTCTCCTGCTGAACCTCCTGCTCGC
AGCCTTTGACCCGGAAGGCCATGGAAAAATCTCAGTATTTGCTGTCAAAATGGCTTTGGCTACATTTGT
GGAGGAAAGATCATGGACAAGTTAAGATATATTTTCTCAATGATCTCTGACTCCAGTGGAGTGATGGTAT
ATGGAAGATATGACCAATTCCTTCGGAAGTTCTCAAACACCCACAGCAGTTTTTGAAGGTCCTTCATT
TGGTTACACAGAACAGTCAGCCAGATCCTGTTTCTCCCAACAGAAAAAGGTCACCTTAAATGGCTTCTTG
GACACGCTCATGTCAGACCCTCCTCCACAGTGCCTGGTATGGCTGCCTTCTGCACCGACTGGCAAATG
TAGAAAAATGCTCTCCATCCAGTTGAGTGTTCCTACTGTACAGTGAGAGCATGATGGGATTTTCGATACCG
ATGTCAACAGTGTCACAACTACCAGCTTTGCCAGGACTGCTTCTGGAGGGGCCATGCAGGAGGTTCTCAT
AGCAACCAGCACCAAATGAAGGAGTATACGTCTGGAAATCAACCTGCTAAGAAGTAACGAATGCATTAA
GCAAGTCCCTGAGCTGTGCTTCAAGCCGTGAACCTTTGCCACCCATGTTCCAGACCCAGCCTGAAAAGCC
ACTCAACTGGCTCACATCGTGCCTCCGAGACCTGTAACCAGCATGAACGACACACTCTTTTCCACTCT
GTTCCCTCCTCAGGAAGTCTTTTCATCACCAGGAGCTCGGACGGCCCATGGTGGATGCGTC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219202 representing NM_010087
 Red=Cloning site Green=Tags(s)

MIEDSGKRGNTMAERRQLFAEMRAQDLDRIRLSTYRTACKLRFVQKKNLHLVDIWNVIEALRENALNNL
 DPNIELNVARLEAVLSTIFYQLNKRMPPTHQIHVEQSISLLLNFLLAAFDPGEGHKISVFAVKMALATLC
 GGKIMDKLRYIFSMISDSSGVMVYGRYDQFLREVLKLP AVFEGPSFGYTEQSARSCFSQQKKTNLNGFL
 DTLMSDPPPQCLVWLPLHLRLANVENVFHPVECSYCHSEMMGFYRCQQQCHNYQLCQDCFWRGHAGGSH
 SNQHQMKEYTSWKSPAKKLTNALSKSLSCASSREPLHPMFDPQPEKPLNLAHIVPPRPVTSMNDFLFSHS
 VPSSGSPFITRSSDGAHGGCV

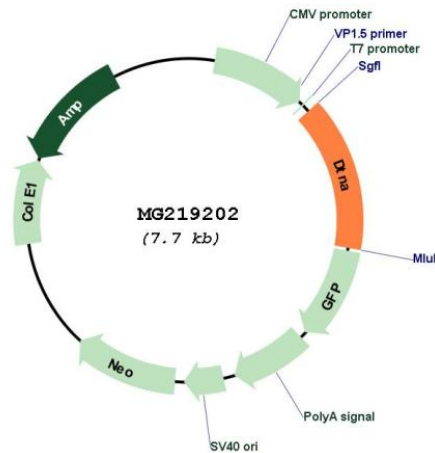
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010087

ORF Size:	1113 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:	<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_010087.4
RefSeq Size:	1708 bp
RefSeq ORF:	1116 bp
Locus ID:	13527
UniProt ID:	Q9D2N4
Cytogenetics:	18 12.08 cM
Gene Summary:	Involved in synapse maturation and required for normal muscle function.[UniProtKB/Swiss-Prot Function]