

Product datasheet for **MR219202**

Dtna (NM_010087) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtna (NM_010087) 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
ORF Nucleotide Sequence:	>MR219202 representing NM_010087 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGATTGAAGATAGTGGAAAAAGAGGAAACACCATGGCAGAAAGAAGACAGCTGTTTCAGAGATGAGGG
CTCAAGATCTGGATCGCATCCGACTCTCCACCTACAGAACAGCATGCAAGCTGAGATTTGTGCAGAAAGAA
ATGCAATTTGCACCTGGTGGACATTTGGAACGTCATTGAAGCATTGCGCGAAAACGCTTTGAATAACCTG
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TAGAAAAATGCTTCCATCCAGTTGAGTGTCTCTACTGTACAGTGAGAGCATGATGGGATTCGATACCG
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ACTCAACTTGGCTCACATCGTGCCTCCGAGACCTGTAACCAGCATGAACGACACACTCTTTTCCCACTCT
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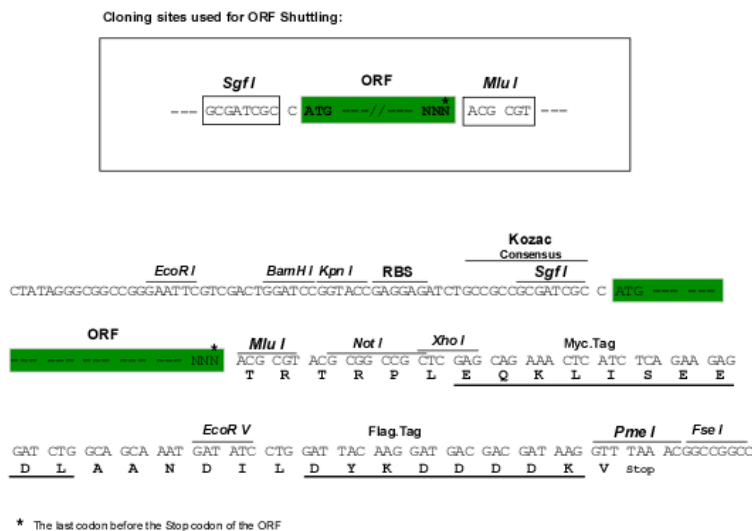
Protein Sequence: >MR219202 representing NM_010087
Red=Cloning site Green=Tags(s)

MIEDSGKRGNTMAERQQLFAEMRAQDLDRILSTYRTACKLRFVQKKCNLHLVDIWNVIEALRENALNNL
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GGKIMDKLRYIFSMISDSSGVMYVGRYDQFLREVLLPTAVFEGPSFGYTEQSARSCFSQKKVTLNGFL
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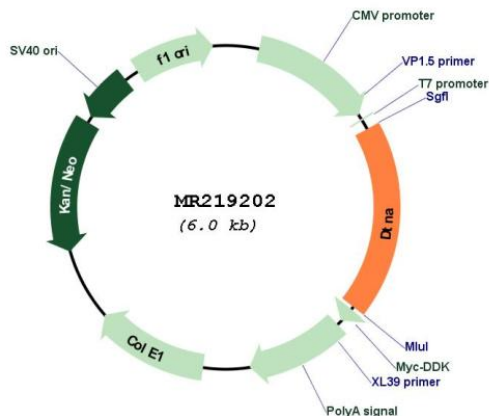
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

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
MW:	42.4 kDa
Gene Summary:	Involved in synapse maturation and required for normal muscle function.[UniProtKB/Swiss-Prot Function]