

Product datasheet for **MC222252**

Dnm1 (NM_010065) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnm1 (NM_010065) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnm1
Synonyms:	A1838169; Dnm; Ftf; FtfI; mKIAA4093
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222252 representing NM_010065
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCAACCGCGCATGGAAGACCTCATCCCGCTGGTTAACCGGTTACAGGACGCCTTCTCCGCCATCG
 GCCAGAACCGCGGACCTCGACCTGCCGCAGATCGCCGTGGTAGGCGGCCAGAGCGCCGCAAGAGCTCGGT
 GCTGGAGAATTCGTTGGCAGGGACTTCTTGCCTCCGAGGATCTGGCATCGTCACCCGCGCTCCCCTGGTC
 CTGCAGCTGGTTAATCTACCACAGAATATGCCGAGTTCCTGCACTGCAAGGGGAAGAAATTCACCGACT
 TCGAGGAGGTGCGCCTGGAGATCGAGGCTGAGACCGATCGAGTACCCGGCACCAACAAGGCATTTCGCC
 AGTGCCCATCAACCTGCGGGTCTACTCGCCCCATGTGCTGAACCTGACTCTAGTGGACCTGCCAGGAATG
 ACCAAGTCCCAGTTGGGGACCAACCTCCTGATATCGAGTTCAGATCCGGGACATGCTTATGCAGTTCCG
 TACTAAGGAGAACTGCCTTATCCTGGCTGTGTCCCTGCCAACTCGGATTTGGCCAACCTGATGCCCT
 CAAGATCGCTAAGGAGGTGGACCCAGGGTCAGCGCACCATTTGGGGTCAACCAAGTTGGACCTGATG
 GACGAGGGCACAGATGCGCGGGACGTGCTAGAGAAACAAGCTGCTCCCTTTCGCGCAGAGGTTACATCGGGC
 TGGTGAACCGGAGCCAGAAGGACATAGACGGCAAGAAGGACATCACAGCCGCCTTGGCTGCAGAGCGCAA
 ATTCTTCTCTCTCACCCATCTACCCGCACTTGGCTGACCGCATGGGCACACCTTACCTGCAGAAGGTC
 CTCAATCAGCAATTGACCAACCACATCCGGGACACTGCCGGGACTTCGGAACAAGCTGCAGAGCCAGC
 TGCTGTCCATTGAGAAGGAGGTGGACGAGTACAAGAACTCCGACCGGATGACCCAGCGCGCAAGACCAA
 GGCCCTGCTGCAGATGGTCCAGCAGTTTGCAGTGGACTTCGAGAAGCGCATCGAGGGTTCTGGAGACCAG
 ATTGACACTTACGAGCTGTCAGGTGGAGCCCGCATTACCCGATCTTCCATGAACGCTTCCCCTTTGAGC
 TGTTAAGATGGAGTTTATGAGAAGGAACTGCGAAGGGAGATCAGCTATGCTATCAAAAAATCCATGG
 CATCAGAACGGGCTCTTACCCAGACATGGCCTTTGAAACCATTTGTGAAAAAGCAGGTGAAGAAGATT
 CGAGAGCCGTGTCTCAAGTGTGTGGACATGGTTATCTCGAGCTAATCAGCACGGTTAGACAGTGCACCA
 AGAAGTGCAGCAATACCCGCTCTGCGGGAGGAGATGGAGCGAATTGTGACCACCACATCCGGGAACG
 TGAGGGCCGACCAAGGAGCAGGTATGCTTCTCATCGACATTGAGCTGGCTTACATGAATACCAACCAC
 GAAGACTTCATAGGCTTTGCCAATGCTCAGCAGAGAAGCAACCAGATGAACAAGAAGAAGACTTCAGGGA
 ACCAGGTCATTGAAAGGGTGGTTGACCATCAACAACATCGGCATCATGAAGGGAGGCTCAAGGAGTA
 CTGTTTTGTGCTGACTGTGAGAATCTGTCTGGTACAAGGATGATGAGGAGAAAGAGAAGAAGTACATG
 CTGTCTGTGGACAATCTGAAGCTGCGTGTGTGGAGAAGGGCTTCATGTCAAGCAAGCATATTTTTGCC
 TCTTCAACACAGAGCAGAGGAATGTCTACAAGGATTACCCGACGCTGGAAGTGGCCTGTGAGACACAGGA
 GGAGGTGGACAGTTGGAAGGCTTCTTCTGAGGGCTGGCGTGTACCCTGAGCGTGTGGGGACAAGAG
 AAAGCCAGTGAGACCGAGGAGAACGGCTCTGACAGCTTCATGCACTCGATGGACCCTCAGCTGGAGCGCC
 AGGTGGAGACCATCCGGAACCTGGTAGACTCGTACATGGCCATTGTCAACAAGACTGTGCGGGACCTCAT
 GCCAAGACCATCATGCACCTCATGATCAACAACCAAGGAGTTTATCTTCTGAGCTGCTGGCCAAC
 CTGTACTCTTGGGGGACCAGAACAACACTGATGGAAGAATCGGCCGAGCAGGCTCAGCGGCGCGACGAGA
 TGCTGCGCATGTACCACGCACTGAAGGAGGCGCTCAGTATTATCGGCGACATCAACACGACCACCGTCA
 CACGCCATGCCCCGCCGTGGACGACTCCTGGCTGCAGGTGCAGAGCGTACCGGCCGGACGAGATCG
 CCCACGTCCAGCCCCACGCCGACGCGCCGAGCCCCGCGGTGCCCCAGCCCGGCCGGATCGCGGGGCC
 CTGCTCCTGGGCCTCCGCTGCTGGATCCGCCCTGGGGGGGCGCCCCCGTGCCCTCCAGGCCGGGGC
 TTCCCCTGACCCCTTTGGCCCCCTCCCCAGGTGCCCTCGCGCCCAACCGCGCCCCGCTGGGGTCCCC
 AGCAGGAAGGGCCAGCCTCACCTACGAGACTGCAGCCCCCGACCAACGGAGGCTCCCCTCTTAGACT
 TATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010065
Insert Size: 2595 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).
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_010065.3 , NP_034195.2
RefSeq Size:	3819 bp
RefSeq ORF:	2595 bp
Locus ID:	13429
UniProt ID:	P39053
Cytogenetics:	2 22.09 cM
Gene Summary:	<p>This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein is a GTPase which is required for membrane recycling, including vesicle endocytosis in neurons. It may also be involved in cellular fission via association with microtubules and actin filaments. Mutations in this gene have been shown to cause seizures. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). This variant contains the alternate 'b' exon in the central coding region and the 'a' splicing pattern in the 3' coding region (PMID:10398046, PMID:20700442).</p>