

Product datasheet for **MC220643**

Dnm1 (BC034679) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnm1 (BC034679) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnm1
Synonyms:	AI838169; Dnm; Ftf1; mKIAA4093
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC034679
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCAACCGCGCATGGAAGACCTCATCCCGCTGGTTAACCGTTACAGGACGCCTTCTCCGCCATCG
 GCCAGAACCGCGGACCTCGACCTGCCGAGATCGCCGTGGTAGGCGCCAGAGCGCCGCAAGAGCTCGGT
 GCTGGAGAATTCGTGGGCAGGGACTTCTTGCCTCCGAGGATCTGGCATCGTCACCCGCGCTCCCCTGGTC
 CTGCAGCTGGTTAATTCTACCACAGAATATGCCGAGTTCCTGCACTGCAAGGGGAAGAAATTCACCGACT
 TCGAGGAGGTGCGCCTGGAGATCGAGGCTGAGACCGATCGAGTCAACCGCACCAACAAGGCATTTCGCC
 AGTGCCCATCAACCTGCGGGTCTACTCGCCCCATGTGCTGAACCTGACTCTAGTGGACCTGCCAGGAATG
 ACCAAGTCCCAGTTGGGGACCAACCTCCTGATATCGAGTTCAGATCCGGGACATGCTTATGCAGTTCCG
 TACTAAGGAGAACTGCCTTATCCTGGCTGTGTCCCTGCCAACTCGGATTTGGCCAACCTGATGCCCT
 CAAGATCGCTAAGGAGGTGGACCCAGGGTCAGCGCACCATTTGGGGTCAACCAAGTTGGACCTGATG
 GACGAGGGCACAGATGCGCGGGACGTGCTAGAGAAACAAGCTGCTCCCTTTCGCGCAGAGGTTACATCGGGC
 TGGTGAACCGGAGCCAGAAGGACATAGACGGCAAGAAGGACATCAGACCCGCTTGGCTGCAGAGCGCAA
 ATTCTTCTCTCTCACCCATCTACCGCACTTGGCTGACCGCATGGGCACACCTACCTGCAGAAGGTC
 CTCAATCAGCAATTGACCAACCACATCCGGGACACACTGCCGGGACTTCGGAACAAGCTGCAGAGCCAGC
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 GGCCCTGCTGCAGATGGTCCAGCAGTTTGCAGTGGACTTCGAGAAGCGCATCGAGGGTTCTGGAGACCAG
 ATTGACACTACGAGCTGTCAGGTGGAGCCCGCATTAAACCGATCTTCCATGAACGCTTCCCCTTTGAGC
 TGTTAAGATGGAGTTTATGAGAAGGAACTGCGAAGGGAGATCAGCTATGCTATCAAAAAATATCCATGG
 CATCAGAACCGGGCTCTTACCACAGACATGGCCTTTGAAACCATTTGTGAAAAAGCAGGTGAAGAAGATT
 CGAGAGCCGTGTCTCAAGTGTGTGGACATGGTTATCTCGAGCTAATCAGCACGGTTAGACAGTGCACCA
 AGAAGTGCAGCAATACCCGCTCTGCGGGAGGAGATGGAGCAATTGTGACCACCACATCCGGGAACG
 TGAGGGCCGACCAAGGAGCAGGTATGCTTCTCATCGACATTGAGCTGGCTTACATGAATACCAACCAC
 GAAGACTTCATAGGCTTTGCCAATGCTCAGCAGAGAAGCAACCAGATGAACAAGAAGAAGACTTCAGGGA
 ACCAGGATGAGATTCTGGTCATTGAAAGGGTGGTTGACCATCAACAACATCGGCATCATGAAGGGAGG
 CTCCAAGGAGTACTGGTTTGTGCTGACTGCTGAGAATCTGTCTGGTACAAGGATGATGAGGAGAAAGAG
 AAGAAGTACATGTGCTGTGGACAATCTGAAGTGCCTGATGTGAGAAAGGGCTTCATGTCAAGCAAGC
 ATATTTTTGCCCTCTTAACACAGAGCAGAGGAATGTCTACAAGGATTACCGGCAGCTGGAAGTGGCCTG
 TGAGACACAGGAGGAGGTGGACAGTTGGAAGGCTTCTTCTGAGGGCTGGCGTGTACCCTGAGCGTGT
 GGGGACAAAGAGAAAGCCAGTGAGACCGAGGAGAACGGCTCTGACAGCTTCATGCACTCGATGGACCTC
 AGCTGGAGCGCCAGGTGGAGACCATCCGGAACCTGGTAGACTCGTACATGGCCATTGTCAACAAGACTGT
 GCGGGACCTCATGCCAAGACCATCATGCACCTCATGATCAACAACCAAGGAGTTTATCTTCTCTGAG
 CTGCTGGCCAACCTGACTCTTGCGGGGACCAGAACACTGATGGAAGAATCGGCCGAGCAGGCTCAGC
 GCGCGACGAGATGCTGCGCATGTACCACGACTGAAGGAGGCGCTCAGTATTATCGGCGACATCAACAC
 GACCACCGTCAGCACGCCCATGCCCCGCCCCGTTGGACGACTCCTGGCTGCAGGTGCAGAGGCTACCGGCC
 GGACGCAGATCGCCACGTCCAGCCCCACGCCGACGCGCGAGCCCGCCGCTGCCCGCCCGGCCCG
 GATCGCGGGGCCCTGCTCCTGGGCTCCGCTGCTGGATCCGCCCTGGGGGGGGCCCGCCCGTGCCTC
 CAGGCCGGGGCTTCCCCTGACCCTTTGGCCCCCTCCCAGGTGCCCTCGCGCCCAACCGCGCCCCG
 CCTGGGTCCCCAGCCTAGGAGCATGGCGACTAAATTCACCACAGGGCAAGCATGAGAATCGCGCTGGCA
 AAGCCAGGCTCTGA

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: BC034679

Insert Size:	2604 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:	<u>BC034679</u> , <u>AAH34679</u>
RefSeq Size:	3448 bp
RefSeq ORF:	2603 bp
Locus ID:	13429
Cytogenetics:	2 22.09 cM
Gene Summary:	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]