

Product datasheet for **MG211008**

Dnm1 (BC034679) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnm1 (BC034679) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dnm1
Synonyms:	AI838169; Dnm; Ftlf; mKIAA4093
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG211008 representing BC034679
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGCAACCGCGCATGGAAGACCTCATCCCGCTGGTTAACCGGTTACAGGACGCCTTCTCCGCCATCG
 GCCAGAACCGCGGACCTCGACCTGCCGCAGATCGCCGTGGTAGGCGGCCAGAGCGCCGCAAGAGCTCGGT
 GCTGGAGAATTTCTGGGCGAGGACTTCTTGCCTCCGAGGATCTGGCATCGTCACCCGCGCTCCCCTGGTC
 CTGCAGCTGGTTAATTCTACCACAGAATATGCCGAGTTCCTGCACTGCAAGGGGAAGAAATTCACCGACT
 TCGAGGAGGTGCGCCTGGAGATCGAGGCTGAGACCGATCGAGTCAACCGCACCAACAAGGCATTTCGCC
 AGTGCCCATCAACCTGCGGGTCTACTCGCCCCATGTGCTGAACCTGACTCTAGTGGACCTGCCAGGAATG
 ACCAAGTCCCAGTTGGGGACCAACCTCCTGATATCGAGTTCAGATCCGGGACATGCTTATGCAGTTCCG
 TACTAAGGAGAACTGCCTTATCCTGGCTGTGTCCCTGCCAACTCGGATTTGGCCAACCTGATGCCCT
 CAAGATCGCTAAGGAGGTGGACCCCGAGGTCAGCGCACCATTTGGGGTCAACCAAGTTGGACCTGATG
 GACGAGGGCACAGATGCGCGGGACGTGCTAGAGAACAAAGCTGCTCCCTTTCGCGCAGAGGTTACATCGGGC
 TGGTGAACCGGAGCCAGAAGGACATAGACGGCAAGAAGGACATCACAGCCGCCTTGGCTGCAGAGCGCAA
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 CTCAATCAGCAATTGACCAACCACATCCGGGACACACTGCCGGGACTTCGGAACAAGCTGCAGAGCCAGC
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 GGCCCTGCTGCAGATGGTCCAGCAGTTTGCAGTGGACTTCGAGAAGCGCATCGAGGGTTCTGGAGACCAG
 ATTGACACTTACGAGCTGTCAGGTGGAGCCCGCATTAAACCGATCTTCCATGAACGCTTCCCCTTTGAGC
 TGTTAAGATGGAGTTTGTGAGAAGAACTGCGAAGGGAGATCAGCTATGCTATCAAAAAATATCCATGG
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 GAAGACTTCATAGGCTTTGCCAATGCTCAGCAGAGAAGCAACCAGATGAACAAGAAGAAGACTTCAGGGA
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 CTCCAAGGAGTACTGGTTTGTGCTGACTGCTGAGAATCTGCTGTTACAAGGATGATGAGGAGAAAGAG
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 GACCACCGTCAGCACGCCATGCCCCCGCCCGTGGACGACTCCTGGCTGCAGGTGCAGAGGCTACCGGCC
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 GATCGCGGGGCCCTGCTCCTGGGCTCCGCTGCTGGATCCGCCCTGGGGGGGGCCCGCCCGTGCCTC
 CAGGCCGGGGCTTCCCCTGACCCTTTGGCCCCCTCCCAGGTGCCCTCGCGCCCAACCGCGCCCCG
 CCTGGGTCCCCAGCCTAGGAGCATGGCGACTAAATTCACCACAGGGCAAGCATGAGAATCGCGCTGGCA
 AAGCCAGGCTC

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211008 representing BC034679
 Red=Cloning site Green=Tags(s)

MGNRGMEDLIPLVNRLQDAFSAIGQNADLDLPQIAVVGGSAGKSSVLENFVGRDFLPRGSGIVTRRPLV
 LQLVNSTTEYAEFLHCKGKFTDFEEVRLIEAETDRVTGTNKGISPVPINL RVYSPHVLNLTLDLPGM
 TKVPVGDQPPDIEFQIRDMLMQFVTKENCLILAVSPANSDLANSDALKIAKEVDPQGQRTIGVITKLDLM
 DEGTDARDVLENKLLPLRRGYIGVVNRSQKDIDGKKDITAAALAAERKFFLSHPSYRHLADRMGTPYLQKV
 LNQQLTNHIRDTLPGLRNKLSQQLLSIEKEVDEYKNFRPDDPARKTKALLQMVQQF AVDFEKRIEGSGDQ
 IDTYELSGGARINRIFHERFPFELVKMEFDEKELRREISYAIKNIHGIRTGLFTPDMAFETIVKKQVKKI
 REPCLKCVDMVISELISTVRQCTKKLQQYPRLEEMERIVTTHIREREGRTKEQVMLLIDIELAYMNTNH
 EDFIGFANAQQRSNQMNKKKTSGNQDEILVIRKGWLTINNI GIMKGGKEYWFLTAENLSWYKDDEEKE
 KKYMLSVDNLKLRDVEKGFMSKHFALFNTEQRNVYKDYRQLELACETQEEVDSWKASFLRAGVYPERV
 GDKEKASETEENGSDSFMHSMQP LERQVETIRNLVDSYMAIVNKTVRDLMPKTIIMHLMINNTKEFIFSE
 LLANLYSCGDQNTLMEESAQAQRREMLRMYHALKEALSIIGDINTTTVSTPMPPPVDSDSLQVQSVPA
 GRRSPTSSPTPQRRAPAVPPARPGSRGAPGPPPAGSALGGAPPVPSRPGASDPDFGPPQVPSRPNRAP
 PGVPSLGAWRLNSPQGHENRAGKARL

TRTRPLE - GFP Tag - V

Restriction Sites:

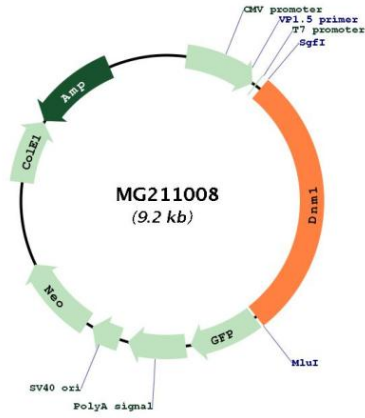
SgfI-MluI

Cloning Scheme:



ACCN:	BC034679
ORF Size:	2601 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:	BC034679 , AAH34679
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]

Product images:



Circular map for MG211008