

## Product datasheet for **MR211008**

### **Dnm1 (BC034679) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnm1 (BC034679) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnm1
Synonyms:	AI838169; Dnm; FtfI; mKIAA4093
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR211008 representing BC034679.  
 Blue=ORF Red=Cloning site Green=Tag(s)

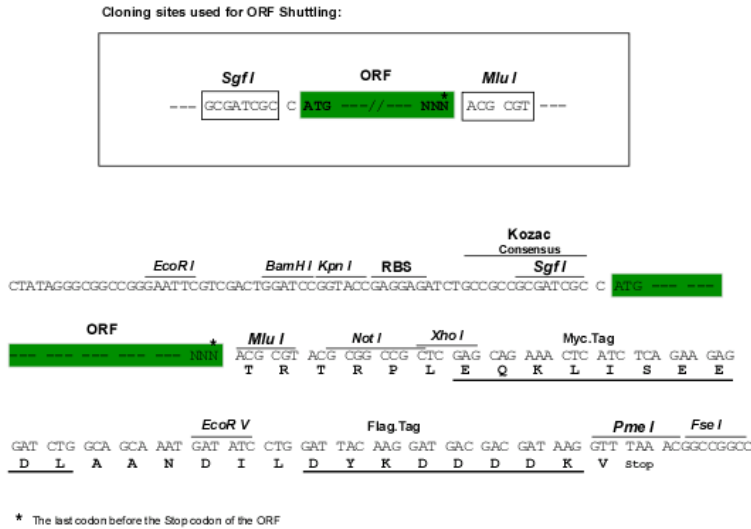
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

**Protein Sequence:** >Peptide sequence encoded by MR211008  
Blue=ORF Red=Cloning site Green=Tag(s)

MGNRGMEDLIPLVNRLQDAFSAIGQNADLDLPQIAVVGGSAGKSSVLENFVGRDFLPRGSGIVTRRPL  
VLQLVNSTTEYAEFLHCKGKKFTDFEEVRLIEAETDRVTGTNKGISPVPINLRVYSPHVLNLTLDLP  
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LQKVLNQQLTNHIRDTLPGLRNKLQSQLLSIEKEVDEYKNFRPDDPARKTKALLQMVQQFAVD FEKRIE  
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KQVKKIREPCLKCVD MVISELISTVRQCTKQLQYPRLREEMERIVTTHIREREGRTKEQVMLLIDIEL  
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YKDDEEKEKMYLSVDNLKLRDVEKGFMSKHFALFNTEQRNVYKDYRQLELACETQEEVDSWKASFL  
RAGVYPERVGDKEKASETEENGSDSFMSMDPQLERQVETIRNLVDSYMAIVNKTVRDLMPKTIMHLM  
NNTKEFIFSELLANLYSCGDQNTLMEESAQAQRREMLRMYHALKEALSIIGDINTTTVSTPMPPPV  
DSWLQVQSVAPARRSPTSSPTPQRRAPVPPARPGSRGPAGPPPAGSALGGAPPVSRPGASDPFPGP  
PPQVPSRPNRAPPVPSLGAWRLNSPQGHENRAGKARL  
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Recombinant protein using MR211008 also available, [TP511008](#)

**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:**

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 Size:** 3448 bp

**RefSeq ORF:** 2603 bp

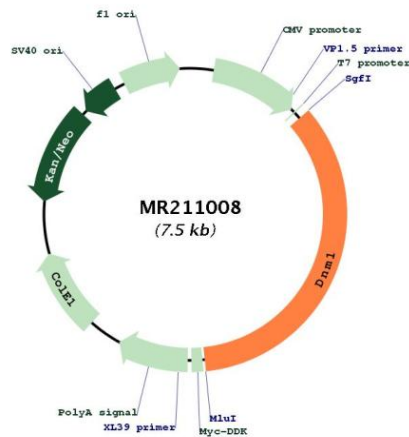
**Locus ID:** 13429

**Cytogenetics:** 2 22.09 cM

**MW:** 97.8 kDa

**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 MR211008