

Product datasheet for **MR222102**

Dnm3 (NM_172646) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnm3 (NM_172646) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnm3
Synonyms:	9630020E24Rik; AW061159; B230343F03Rik; C530045C17; mKIAA0820
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR222102 representing NM_172646
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAACCGGGAGATGGAAGAGCTGATCCCTCTGGTGAACCGTCTGCAGGACGCTTTCTCGGCTCTGG
 GACAGAGCTGTCTGCTAGAGCTGCCACAGATCGCCGTGGTGGGCGCCAGAGCGCCGCAAGAGCTCAGT
 GCTCGAGAATTTCTGGGAGGGACTTTCTTCTCGAGGCTCAGGCATTGTAACAGACGGCCTCTTGTA
 CTCACGCTTGTCACCTCTAAAGCAGAATATGCCGAGTTTCTACATTGCAAAGGAAAAAATTTACAGATT
 TTGATGAAGTTCGACATGAGATCGAAGCAGAAACAGCCGCTAACAGGAATGAATAAAGGCATCTCTTC
 TATACCCATTAACCTCCGAGTCTACTCTCCACGTGTTAAATCTAACGCTAATCGACCTACCTGGAATA
 ACGAAAGTGGCGTGGGAGACCAGCCGCAGATATCGAGTATCAGATCAGAGATATGATTATGCAGTTCA
 TCACGAGGGAGAACTGTCTGATTTTGGCTGTACGCCAGCCAACCCGATCTTGGCAACTCGGATGCACT
 GAAGCTAGCCAAAGAAGTTGATCCTCAAGTCTGAGGACCATGGCGTGATCACCAGCTGGATCTCATG
 GATGAAGGAACAGATGCCAGGGATGTGCTGGAGAACAAGCTGCTGCCTCTTCGCAGGGGGCTACGTGGGGG
 TGGTCAACAGAAGCCAGAAGGACATAGATGGAAAGAAAGACATTAAAGGCAGCCATGTTGGCAGAAAGGAA
 ATTTTTCTTTCTCACCCGGCGTACAGACACATTGCTGATCGTATGGGGACCCACACCTCCAGAAGGTC
 CTGAATCAGCAACTTACCAACCATATTCGAGATACTCTGCCCACTTCAGGAACAAGCTACAGGGGCAGC
 TGCTCTCCATAGAACATGAAGTGGAAAGCCTTCAAAAATTCAAACCGGAAGACCCACAAGGAAGACCAA
 AGCCCTGCTGCAGATGGTCCAACAGTTTGTGTGGACTTTGAGAAGAGAATCGAAGGGTCAGGAGATCAA
 GTAGACACCTTAGAGCTCTTGGCGTGCTAAGATCAACCGCATTTTCCACGAACGCTTTCTTTTGAGA
 TGTGAAGATGGAGTTCAATGAGAAAGAACTGAGAAGAGAAAATAAGCTACGCAATCAAAAACATACATGG
 GATCAGGACAGGGTTGTTTACTCCAGACATGGCGTTTGAGGCAATAGTTAAAAAGCAGATGTAATAACTG
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 AGAGGCTGGCAAACCTTCCCAGACTCTGTGAAGAAAACAGAAAGGATTGTTGCTAACACATCCGTGAGAG
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 GAGGACTTCATCGGCTTTGCAAATGCTCAGCAGAGGAGCAGTCAAGTTTACAAGAAAAGCACAATTGGAA
 ATCAGGTGATTCGTAAGGGCTGGCTGACCGTCAGCAACATTGGCATCATGAAAGGGGGCTCGAAGGGCTA
 CTGTTTTGTCTCACTGCAGAAAGCCTGTCTGGTATAAAGACGATGAGGAGAAAAGAAAAGAAATATATG
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 TCTTCAACACCGAGCAAAGGAATGTATACAAGACTATCGCTTCTGGAGCTGGCCTGTGATTCCAGGA
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 AGTCGATGACTCCTGGTCCAACACTCCAGGAGGTCACCTCCTCCGAGCCCCACCACCAAGGAGGCTG
 ACGATAAGTGTCCCTCCCAAGGCCACATCTGGCCGTGGGCCAGTCCCGCTATCCCTCTCCAGGCC
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 CTTTGGAGCCCCTCCGCAAGTCCGTCCAGGCCACCAGGGCACCCCCAGTGTTCGAAGCCGGAGGCCA
 CCCCCATACCAACTCGCCCCACTATAATCCGTCCACTAGAATCCTCACTGTTAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222102 representing NM_172646
 Red=Cloning site Green=Tags(s)

MGNREMEELIPLVNRLQDAFSALGQSCLELPLQIAVVGGSAGKSSVLENFVGRDFLPRGSGIVTRRPLV
 LQLVTSKAEYAEFLHCKGKFTDFDEVREIEAETDRVTGMNKGISSIPINLRVYSPHLNLTIDLPGI
 TKVPVGDQPPDIEYQIRDMIMQFITRENCLILAVTPANTDLANSALKLAKEVDPQGLRTIGVITKLDLM
 DEGTDARDVLENKLLPLRRGYVGVNRSQKDIDGKKDIKAAMLAERKFFLSHPAYRHIADRMGTPHLQKV
 LNQLLTHIRDTLNFRNKLQGLLSIEHEVEAFKNFKPEDPTRKTKALLQMVQQF AVDFEKRIEGSGDQ
 VDTLELSGGAKINRIFHERFPFEIVKMEFNEKELRREISYAIKNIHGIRTGLFTPDMAFEAIVKKQIVKL
 KGPSLKSVDLVMQELINTVKKCTKRLANFPRLCEETERIVANHIREGKTKDQVLLLDIQVSYINTNH
 EDFIGFANAQRSSQVHKKSTIGNQVIRKGWLTVSNIGIMKGGSKGYWFLTAESLSWYKDEEKEKKYM
 LPLDNLKVRDVEKGFMSKHVFFALFNTEQRNVYKDYRFELEACDSQEDVDSWKASLLRAGVYDPKSVTEN
 DENGQAENFSMDPQLERQVETIRNLVDSYMSIINKCIRDLPKTIHMLMINNVKDFINSELLAQLYSSD
 QNTLMEESAQAQRREMLRMYQALKEALAIIGDINTATVSTPAPPVDDSWLQHSRRSPPPSPTQRRL
 TISAPLPRPTSGRGPAPAIPSPGPHSGAPPVFRPGPLPPFPNSSDSFGAPPQVPSRPTRAPPSVPSRRP
 PPSPTRPTIIRPLESSLLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

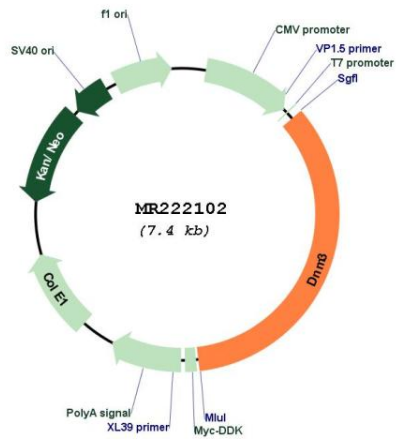
SgfI-MluI

Cloning Scheme:



ACCN:	NM_172646
ORF Size:	2577 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_172646.3
RefSeq Size:	4590 bp
RefSeq ORF:	2580 bp
Locus ID:	103967
UniProt ID:	Q8BZ98
Cytogenetics:	1 H2.1
MW:	97.3 kDa
Gene Summary:	Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes, in particular endocytosis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222102