

Product datasheet for **MR221573**

Dnm3 (NM_001038619) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnm3 (NM_001038619) 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)



[View online »](#)

ORF Nucleotide
Sequence:

>MR221573 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGAACCGGGAGATGGAAGAGCTGATCCCTCTGGTGAACCGTCTGCAGGACGCTTTCTCGGCTCTGG
GACAGAGCTGTCTGCTAGAGCTGCCACAGATCGCCGTGGTGGCGGCCAGAGCGCCGCAAGAGCTCAGT
GCTCGAGAATTCGTTGGCAGGGACTTTCTTCTCGAGGCTCAGGCATTGTAACAGACGGCCTCTTGTA
CTCCAGCTTGTCACCTCTAAAGCAGAATATGCCGAGTTTCTACATTGCAAAGGAAAAAATTTACAGATT
TTGATGAAGTTCGACATGAGATCGAAGCAGAAACAGCCGCTAACAGGAATGAATAAAGGCATCTCTTC
TATACCCATTAACCTCCGAGTCTACTCTCCCCACGTGTTAAATCTAACGCTAATCGACCTACCTGGAATA
ACGAAAGTGCCCGTGGGAGACCAGCCGCAGATATCGAGTATCAGATCAGAGATATGATTATGCAGTTCA
TCACGAGGGAGAACTGTCTGATTTTGGCTGTCAGCCAGCCAACCCGATCTTGGCAACTCGGATGCACT
GAAGCTAGCCAAAGAAGTTGATCCTCAAGTCTGAGGACCATTTGGCGTGATCACCAGCTGGATCTCATG
GATGAAGGAACAGATGCCAGGGATGTGCTGGAGAACAAGCTGCTGCCTCTTCGCAGGGGGCTACGTGGGGG
TGGTCAACAGAAGCCAGAAGGACATAGATGGAAAGAAAGACATTAAAGGCAGCCATGTTGGCAGAAAGGAA
ATTTTTCTTTCTCACCCGGCGTACAGACACATTGCTGATCGTATGGGGACCCACACCTCCAGAAGGTC
CTGAATCAGCAACTTACCAACCATATTCGAGATACTCTGCCCACTTCAGGAACAAGCTACAGGGGCAGC
TGCTCTCCATAGAACATGAAGTGGAAAGCCTTCAAAAACCTCAAACCGGAAGACCCCAAGGAAGACCAA
AGCCCTGCTGCAGATGGTCCAACAGTTTGTCTGTGGACTTTGAGAAGAGAATCGAAGGGTCAAGGAGATCAA
GTAGACACCTTAGAGCTCTCTGGCGTGCTAAGATCAACCGCATTTTCCACGAACGCTTTCTTTTGAGA
TAGTGAAGATGGAGTTCAATGAGAAAGAACTGAGAAGAGAAAATAGCTACGCAATCAAAAACATAACATGG
GATCAGGACAGGGTTGTTTACTCCAGACATGGCGTTTGAGGCAATAGTTAAAAAGCAGATAGTAAAACTG
AAAGGGCCTTCTTGAAGAGTGTGGACCTGGTAATGCAGGAGCTGATCAACACCGTGAAGAAGTGTACCA
AGAGGCTGGCAAACCTTCCCAGACTCTGTGAAGAAAACAGAAAGGATTGTTGCTAACACATCCGTGAGAG
AGAAGGGAAAGACAAGGACCAGGTCTGCTACTGATTGACATTCAAGTCTTTACATTAACCAACCAT
GAGGACTTCATCGGCTTTGCAAATGCTCAGCAGAGGAGCAGTCAAGTTTCAAGAAAAGCACAATTGGAA
ATCAGGTGATTCGTAAGGGCTGGCTGACCGTCAGCAACATTGGCATCATGAAAGGGGGCTCGAAGGGCTA
CTGTTTTGCTCTACTGCAGAAAGCCTGTCTGGTATAAAGACGATGAGGAGAAAAGAAAAGAAATATATG
CTTCCCCTGGACAACCTGAAGTCCGGGATGTGGAGAAGGGCTTCATGTCCAGCAAGCACGTCTTCGCAC
TCTTCAACACCGAGCAAAGGAATGTATACAAGACTATCGCTTCTGGAGCTGGCCTGTGATTCCCAGGA
AGATGTGGACAGCTGGAAGGCGTCTCTGCTCAGAGCCGGGGTCTACCCAGATAAATCTGTAGGGAGCAAC
AAAACGAAAATGATGAAAATGGACAAGCAGAAAACCTTTTCCATGGACCCACAGTTGGAGAGGCAAGTGG
AGACCATACGCAACCTAGTAGACTCCTACATGTCAATAATCAACAAAATGCATCCGAGACTTAATTCAAA
ACAATAATGCATCTTATGATCAATAACGTTAAAGACTTCATCAACTCTGAACCTCTAGCACAGCTCTAC
TCTTCTGAGGACCAGAACACTCTGATGGAAGAGTCCGCGGAGCAGGCTCAGCGCCGAGATGAGATGCTCC
GAATGTACCAAGCCCTGAAAGAAGCTCTCGCAATCATTGGTGACATCAACACGGCCACGGTGTCCACCCC
AGCCCCACCTCCAGTCGATGACTCCTGGCTCCAACACTCCAGGAGGTCACCTCCTCCGAGCCCCACCACC
CAACGAAGGCTGACGATAAGTGCTCCCCTCCCAAGGCCACATCTGGCCGTGGCCAGCTCCCCTATCC
CCTCTCCAGGCCCCACTCCGGAGCTCCCCAGTTCCATTCCGTCTGGCCCATTAACCTCTTTTCCCAA
CAGCAGTACTCCTTTGGAGCCCCTCCGCAAGTTCCGTCCAGGCCACCAGGGCACCCCCAGTGTTCAC
AGCCGGAGGCCACCCCATCACCAACTCGCCCACTATAATCCGTCCACTAGAATCTCTACTGTTAGAC

ACGGTACGGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221573 protein sequence
 Red=Cloning site Green=Tags(s)

MGNREMEELIPLVNRLQDAFSALGQSCLELPLQIAVVGGSAGKSSVLENFVGRDFLPRGSGIVTRRPLV
 LQLVTSKAEYAFLHCKGKFTDFDEVREIEAETDRVTGMNKGISSIPINLRVYSPHLNLTIDLPGI
 TKVPVGDQPPDIEYQIRDMIMQFITRENCLILAVTPANTDLANSALKLAKEVDPQGLRTIGVITKLDLM
 DEGTDARDVLENKLLPLRRGYVGVNRSQKIDIDGKKDIKAAMLAERKFFLSHPAYRHIADRMGTPHLQKV
 LNQLTNHIRDTLPNFRNKLQGLLSIEHEVEAFKNFKPEDPTRKTKALLQMVQQF AVDFEKRIEGSGDQ
 VDTLELSGGAKINRIFHERFPFEIVKMEFNEKELRREISYAIKNIHGIRTGLFTPDMAFEAIVKKQIVKL
 KGPSLKSVDLVMQELINTVKKCTKRLANFPRLCEETERIVANHIREGKTKDQVLLIDIQVSYINTNH
 EDFIGFANAQRSSQVHKKSTIGNQVIRKGWLTVSNIGIMKGGSKGYWFLTAESLSWYKDEEKEKKYM
 LPLDNLKVRDVEKGFMSKHVFFALFNTEQRNVYKDYRFELEACDSQEDVDSWKASLLRAGVYPDKSVGSN
 KTENDENQAENFSMDPQLERQVETIRNLVDSYMSIINKCIRDLIPKTIHMLMINNVKDFINSELLAQLY
 SSEDQNTLMEESAQAQRDEMLRMYQALKEALAIIGDINTATVSTPAPPVDDSWLQHSRRSPPPSPTT
 QRRLTISAPLPRPTSGRGPAPAIPSPGPHSGAPPVFRPGPLPPFPNSSDSFGAPPQVPSRPTRAPPSVP
 SRRPPSPTRPTIIRPLESSLLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

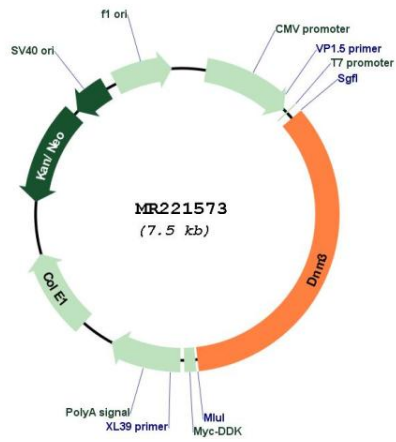
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001038619
ORF Size:	2592 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_001038619.2
RefSeq Size:	7534 bp
RefSeq ORF:	2592 bp
Locus ID:	103967
UniProt ID:	Q8BZ98
Cytogenetics:	1 H2.1
MW:	97.2 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 MR221573