

Product datasheet for **MC222173**

Dnm3 (NM_172646) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnm3 (NM_172646) Mouse Untagged Clone
Tag:	Tag Free
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 »](#)

Fully Sequenced ORF: >MC222173 representing NM_172646
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGAACCGGGAGATGGAAGAGCTGATCCCTCTGGTGAACCGTCTGCAGGACGCTTTCTCGGCTCTGG
 GACAGAGCTGTCTGCTAGAGCTGCCACAGATCGCCGTGGTGGCGGCCAGAGCGCCGCAAGAGCTCAGT
 GCTCGAGAATTTCTGGGCGAGGACTTTCTTCTCGAGGCTCAGGCATTGTAACCAGACGGCCTTTGTA
 CTCACGCTTGTACCTCTAAAGCAGAATATGCCGAGTTTCTACATTGCAAAGGAAAAAATTTACAGATT
 TTGATGAAGTTCGACATGAGATCGAAGCAGAAACAGCCGCTAACAGGAATGAATAAAGGCATCTCTTC
 TATACCCATTAACCTCCGAGTCTACTCTCCACGTGTTAAATCTAACGCTAATCGACCTACCTGGAATA
 ACGAAAGTCCCCTGGGAGACCAGCCGCAGATATCGAGTATCAGATCAGAGATATGATTATGCAGTTCA
 TCACGAGGGAGAAGTGTCTGATTTTGGCTGTCACGCCAGCCAACCCGATCTTGGCAACTCGGATGCACT
 GAAGCTAGCCAAAGAAGTTGATCCTCAAGTCTGAGGACCATTTGGCGTGATCACCAGCTGGATCTCATG
 GATGAAGGAACAGATGCCAGGGATGTGCTGGAGAACAAGCTGCTGCCTCTTCGCAGGGGGCTACGTGGGGG
 TGGTCAACAGAAGCCAGAAGGACATAGATGGAAAGAAAGACATTAAAGGCAGCCATGTTGGCAGAAAGGAA
 ATTTTTCTTTCTCACCCGGCTACAGACACATTGCTGATCGTATGGGGACCCACACCTCCAGAAGGTC
 CTGAATCAGCAACTTACCAACCATATTCGAGATACTCTGCCCACTTCAGGAACAAGCTACAGGGGCAGC
 TGCTCTCCATAGAACATGAAGTGGAAAGCCTTCAAAAATTCAAACCGGAAGACCCACAAGGAAGACCAA
 AGCCCTGCTGCAGATGGTCCAACAGTTTGTGTGGACTTTGAGAAGAGAATCGAAGGGTCAGGAGATCAA
 GTAGACACCTTAGAGCTCTTGGCGTGCTAAGATCAACCGCATTTTCCACGAACGCTTTCTTTTGGAGA
 TAGTGAAGATGGAGTTCAATGAGAAAGAACTGAGAAGAGAAAATAGCTACGCAATCAAAAACATACATGG
 GATCAGGACAGGGTTGTTTACTCCAGACATGGCGTTTGGAGCAATAGTTAAAAAGCAGATAGTAAAACTG
 AAAGGGCCTTCTTGAAGAGTGTGGACCTGGTAATGCAGGAGCTGATCAACACCGTGAAGAAGTGTACCA
 AGAGGCTGGCAAACCTTCCCAGACTCTGTGAAGAAAACAGAAAGGATTGTTGCTAACACATCCGTGAGAG
 AGAAGGGAAAGACAAGGACCAGGTCTGCTACTGATTGACATTCAAGTCTTTACATTAACCAACCAT
 GAGGACTTCATCGGCTTTGCAAATGCTCAGCAGAGGAGCAGTCAAGTTTACAAGAAAAGCACAATTGGAA
 ATCAGGTGATTCGTAAGGGCTGGCTGACCGTCAGCAACATTGGCATCATGAAAGGGGGCTCGAAGGGCTA
 CTGTTTTGTCTCACTGCAGAAAGCCTGTCTGGTATAAAGACGATGAGGAGAAAAGAAAAGAAATATATG
 CTTCCCTGGACAACCTGAAGTCCGGGATGTGGAGAAGGGCTTCATGTCCAGCAAGCACGTCTTCGCAC
 TCTTCAACACCGAGCAAAGGAATGTATACAAGACTATCGCTTCTGGAGCTGGCCTGTGATTCCCAGGA
 AGATGTGGACAGCTGGAAGGCGTCTGCTCAGAGCCGGGTCTACCCAGATAAATCTGTAACCTGAAAAT
 GATGAAAATGGACAAGCAGAAAACCTTTCCATGGACCCACAGTTGGAGAGGCAAGTGGAGACCATACGCA
 ACCTAGTAGACTCCTACATGTCAATAATCAACAAATGCATCCGAGACTTAATTCAAAAACAATAATGCA
 TCTTATGATCAATAACGTTAAAGACTTCATCAACTCTGAACCTTAGCACAGCTCTACTCTTCTGAGGAC
 CAGAACACTCTGATGGAAGAGTCCGCGGAGCAGGCTCAGCGCCGAGATGAGATGCTCCGAATGTACCAAG
 CCCTGAAAGAAGCTCTCGCAATCATTGGTGACATCAACACGGCCACGGTGTCCACCCAGCCCCACCTCC
 AGTCGATGACTCCTGGTCCAACACTCCAGGAGGTCACCTCCTCCGAGCCCCACCACCAACGAAGGCTG
 ACGATAAGTGTCCCCTCCAAGGCCACATCTGGCCGTGGGCCAGTCCCGCTATCCCCTCTCCAGGCC
 CCCACTCCGAGCTCCCCAGTTCCATTCCGTCCTGGCCATTACCTCCTTTTCCAACAGCAGTGACTC
 CTTTGGAGCCCCTCCGCAAGTTCGTCAGGCCACCAGGGCACCCCCAGTGTTCGAAGCCGGAGGCCA
 CCCCCATACCAACTCGCCCCACTATAATCCGTCCACTAGAATCCTCACTGTTAGACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172646
Insert Size: 2580 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:	NM_172646.2 , NP_766234.1
RefSeq Size:	4590 bp
RefSeq ORF:	2580 bp
Locus ID:	103967
UniProt ID:	Q8BZ98
Cytogenetics:	1 H2.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 3' coding region, compared to variant 1, and encodes a shorter protein (isoform 2).</p>