

Product datasheet for **MC222281**

Dnm3 (NM_001038619) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC222281 representing NM_001038619
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAACCGGGAGATGGAAGAGCTGATCCCTCTGGTGAACCGTCTGCAGGACGCTTTCTCGGCTCTGG
 GACAGAGCTGTCTGCTAGAGCTGCCACAGATCGCCGTGGTGGGCGGCCAGAGCGCCGCAAGAGCTCAGT
 GCTCGAGAATTCGTGGGCAGGGACTTTCTTCTCGAGGCTCAGGCATTGTAACCAGACGGCCTCTTGTA
 CTCACGCTTGTCACCTCTAAAGCAGAATATGCCGAGTTTCTACATTGCAAAGGAAAAAATTTACAGATT
 TTGATGAAGTTCGACATGAGATCGAAGCAGAAACAGCCGCTAACAGGAATGAATAAAGGCATCTCTTC
 TATACCCATTAACCTCCGAGTCTACTCTCCCCACGTGTTAAATCTAACGCTAATCGACCTACCTGGAATA
 ACGAAAGTGCCCGTGGGAGACCAGCCGCAGATATCGAGTATCAGATCAGAGATATGATTATGCAGTTCA
 TCACGAGGGGAACTGTCTGATTTTGGCTGTCAGCCAGCCAACACCGATCTTGCGAACTCGGATGCACT
 GAAGCTAGCCAAAGAAGTTGATCCTCAAGTCTGAGGACCATTTGGCGTGATCACAAGCTGGATCTCATG
 GATGAAGGAACAGATGCCAGGGATGTGCTGGAGAACAAGCTGCTGCCTCTTCGCAGGGGGCTACGTGGGGG
 TGGTCAACAGAAGCCAGAAGGACATAGATGGAAAGAAAGACATTAAAGGCAGCCATGTTGGCAGAAAGGAA
 ATTTTTCTTTCTCACCCGGCGTACAGACACATTGCTGATCGTATGGGGACCCACACCTCCAGAAGGTC
 CTGAATCAGCAACTTACCAACCATATTCGAGATACTCTGCCCACTTCAGGAACAAGCTACAGGGGCAGC
 TGCTCTCCATAGAACATGAAGTGGAAAGCCTTCAAAAATTCAAACCGGAAGACCCACAAGGAAGACCAA
 AGCCCTGCTGCAGATGGTCCAACAGTTTGTGTGGACTTTGAGAAGAGAATCGAAGGGTCAAGGAGATCAA
 GTAGACACCTTAGAGCTCTTGGCGTGCTAAGATCAACCGCATTTTCCACGAACGCTTTCTTTTGGAGA
 TAGTGAAGATGGAGTTCAATGAGAAAGAACTGAGAAGAGAAAATAGCTACGCAATCAAAAACATAACATGG
 GATCAGGACAGGGTTGTTTACTCCAGACATGGCGTTTGAGGCAATAGTTAAAAAGCAGATAGTAAAAACTG
 AAAGGGCCTTCTTGAAGAGTGTGGACCTGGTAATGCAGGAGCTGATCAACACCGTGAAGAAGTGTACCA
 AGAGGCTGGCAAACCTTCCCAGACTCTGTGAAGAAAACAGAAAGGATTGTTGCTAACCCACATCCGTGAGAG
 AGAAGGGAAAGACAAGGACCAGGTCTGCTACTGATTGACATTCAAGTCTTTACATTAACCAACCAT
 GAGGACTTCATCGGCTTTGCAAATGCTCAGCAGAGGAGCAGTCAAGTTTACAAGAAAAGCACAATTGGAA
 ATCAGGTGATTCGTAAGGGCTGGCTGACCGTCAGCAACATTGGCATCATGAAAGGGGGCTCGAAGGGCTA
 CTGTTTTGTCTCACTGCAGAAAGCCTGTCTGGTATAAAGACGATGAGGAGAAAAGAAAAGAAATATATG
 CTTCCCTGGACAACCTGAAGTCCGGGATGTGGAGAAGGGCTTCATGTCCAGCAAGCACGTCTTCGCAC
 TCTTCAACACCGAGCAAAGGAATGTATACAAGACTATCGCTTCCCTGGAGCTGGCCTGTGATTCCCAGGA
 AGATGTGGACAGCTGGAAGGCGTCTCTGCTCAGAGCCGGGGTCTACCCAGATAAATCTGTAGGGAGCAAC
 AAAACTGAAAATGATGAAAATGGACAAGCAGAAAACCTTTTCCATGGACCCACAGTTGGAGAGGCAAGTGG
 AGACCATCGCAACCTAGTAGACTCCTACATGTCAATAATCAACAAAATGCATCCGAGACTTAATTCAAA
 AACAATAATGCATCTTATGATCAATAACGTTAAAGACTTCATCAACTCTGAACTCCTAGCACAGCTCTAC
 TCTTCTGAGGACCAGAACACTCTGATGGAAGAGTCCGCGGAGCAGGCTCAGCGCCGAGATGAGATGCTCC
 GAATGTACCAAGCCCTGAAAGAAGCTCTCGCAATCATTGGTGACATCAACACGGCCACGGTGTCCACCCC
 AGCCCCACCTCCAGTCGATGACTCCTGGTCCAACACTCCAGGAGGTACCTCCTCCGAGCCCCACCACC
 CAACGAAGGCTGACGATAAGTGCTCCCTCCCAAGGCCACATCTGGCCGTGGCCAGCTCCCGCTATCC
 CCTCTCCAGGCCCCACTCCGGAGCTCCCCAGTTCCATTCCGTCTGGCCCATTAACCTCTTTTCCCAA
 CAGCAGTACTCCTTTGGAGCCCTCCGCAAGTTCCGTCCAGGCCACCAGGGCACCCCCAGTGTTC
 AGCCGGAGGCCACCCCATCACCAACTCGCCCCACTATAATCCGTCCACTAGAATCTCACTGTTAGACT
 AA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001038619
Insert Size: 2592 bp

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| 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: | <u>NM_001038619.1</u> , <u>NP_001033708.1</u> |
| RefSeq Size: | 7534 bp |
| RefSeq ORF: | 2592 bp |
| Locus ID: | 103967 |
| UniProt ID: | <u>Q8BZ98</u> |
| 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 (1) represents the longer transcript and encodes the longer isoform (1).</p> |