

## Product datasheet for **RN205234**

### **Dnm1l (NM\_053655) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnm1l (NM_053655) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnm1l
Synonyms:	DLP1; Dnml1; Drp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN205234 representing NM\_053655  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGCGCTGATCCCGGTCATCAATAAGCTGCAAGACGTCTTCAACACCGTGGGCGCCGACATCATCC  
 AGCTGCCTCAGATTGTCGTAGTGGAACTCAGAGCAGTGGAAAGAGCTCAGTGCTGGAAAGCCTAGTGGG  
 GAGGGACCTTCTCCAGAGGGACTGGTGTGGTACCCGAGACCTCTTATTCTGCAGCTGGTCCACGTT  
 TCACCAGAAGATAAAAGAAAAACAACAGGAGAAGAAAATGGAGTTGAAGCAGAAGAATGGGGTAAATTTT  
 TTCACACCAAAAAACAAGCTTTACACAGATTTTGATGAAATTCGACAAGAAATGAAAATGAAACTGAAAG  
 AATTTTCAGGAAATAATAAGGGAGTAAGCCCTGAGCCAATCCATCTCAAGGTTTTCTCGCCCAACGTTGTC  
 AACCTGACGCTTGTGGATTTACCAGGAATGACCAAGTACCTGTAGGTGATCAGCCCAAGGATATTGAGC  
 TTCAAATCAGAGAACTTATTCTCGTTTATCAGTAATCCCAATCCATTATCCTTGCTGCTACTGCTGC  
 AAATACAGATATGGCAACGTCAGAGGCCTTAAGATTTCCAGAGAGGTAGATCCAGATGGGCGCAGA  
 ACTCTAGCTGTAATACCAAGCTTGATCTCATGGATGCGGGTACTGATGCCATTGGATGTATTGATGGGAAGGG  
 TTATTCCAGTCAAGCTTGAATAATTGGAGTAGTTAACAGGAGCCAACCTGGACATTAACAATAAGAAGAG  
 TGTAACTGATTCAATCCGTGATGAGTATGCTTTTCTTCAAAGAAGTACCCATCTCTGGCCAACAGAAAT  
 GGAACAAAGTATCTTGCTAGGACTCTGAATAGGTTACTTATGCATCATATCAGAGACTGTTTACCAGAGC  
 TGAACAAGAATAAAATGTCTTAGCTGCTCAGTATCAGTCTCTTCTAAATAGCTATGGTGAGCCCGTGG  
 TGATAAAAGTGTACTTTACTCCAGTCTATTACCAAGTTGGCCACAGAGTATTGTAACACTATTGAAGGA  
 ACGGCAAAGTACATTGAACTTCTGAGCTATGTGGTGGTGTAGGATTTGTTATATTTCCATGAGACTT  
 TTGGGCGAACCTTAGAATCTGTTGATCCACTAGGTGGCCTAACACTATTGACATCTTGACCCGCAATTAG  
 AAATGCTACTGGCCCCGTCAGCTTTATTTGTGCCTGAAGTTTCATTTGAGTTACTGGTCAAACGTCAG  
 ATTAAGCGTCTAGAGGAGCCAGCCTCCGCTGTGTGGAGCTGGTCCACGAGGAAATGCAGAGGATCATT  
 AGCACTGTAGCAACTACAGCACACAGGAAGTACGGTTCCTAAACTCCATGATGCCATAGTTGAAGT  
 AGTGACTTGTCTTCTTCTGAAAAGGTTGCCCGTGACAAATGAAATGGTACATAACTTAGTGGCAATTGAG  
 CTAGCATATATCAACACAAAACACCCCGACTTTGCTGATGCCTGTGGGCTAATGAACAATAACATAGAGG  
 AACAAAGAAGAACAGACTAGCAAGAGAACTACCTTCCGCTGTATCGCGAGACAAGTTAATTCAGGACAA  
 CAGAAGAGAACTAAAAATGTTGCATCTGCAGGTGGTGGAAATGGAGATGGTGGTGAATTGGAGATGGT  
 GGTGAGGAAACGACAACAGGCAACTGGAGAGGAATGCTGAAAACCTCAAAGCTGAAGAATTACTTGCTG  
 AAGAAAAATCAAACCAATTCCAATTATGCCAGCAAGTCCACAAAAGGCCATGCTGTCAATTTGCTAGA  
 TGTGCCAGTTCAGTTGCACGAAAACCTGTGCGCCGAGAACAGCGAGATTGTGAGGTTATTGAAAGACTC  
 ATCAAATCATATTTTCTAATTGTGAGAAAGAAATTTCAAGACAGCGTCCCAAAGGCAGTAATGCATTTTT  
 TGGTTAATCATGTGAAAGATACTCTCAGAGTGAATTAGTAGGGCAGCTGTATAAGTCACTCTTATTAGA  
 TGACCTTCTGACTGAATCCGAGGACATGGCACAGCGAAGAAAAGAAGCGGCTGACATGCTGAAGGCATTA  
 CAAGGAGCCAGTCAAATTATTGCTGAAATCCGAGAGACTCATCTTTGG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_053655  
**Insert Size:** 2151 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [NM\\_053655.3](#), [NP\\_446107.2](#)

**RefSeq Size:** 2515 bp

**RefSeq ORF:** 2151 bp

**Locus ID:** 114114

**UniProt ID:** [O35303](#)

**Cytogenetics:** 11q23

**Gene Summary:** human homolog is a GTPase that is necessary for peroxisome division [RGD, Feb 2006]