

Product datasheet for **MR230677**

Dnm1l (NM_001276341) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnm1l (NM_001276341) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnm1l
Synonyms:	6330417M19Rik; AI450666; Dlp1; Dnm; Dnmlp1; Dr; Drp1; pyt; python
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR230677 representing NM_001276341
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTTTACACAGATTTTGTGAAATTCGACAAGAAATGAAAATGAAACTGAAAGAATTCAGGAAATA
 ATAAGGGGTAAGCCCTGAGCCAATCCATCTCAAGTTTTCTCGCCAAGTTGTCAACCTGACACTTGT
 GGATTTACCGGAATGACCAAAGTACCTGTAGGCGATCAGCCAAAGGACATCGAGCTTCAGATCAGAGAA
 CTTATTCTTCGGTTCATCAGTAATCCCAATTCATTATCTCGCCGTCAGTCTGCAAAACAGATATGG
 CAACATCAGAAGCACTCAAGATTTCCAGAGAGGTAGATCCAGATGGGCGCAGAATCTAGCTGTAATCAC
 TAAACTTGATCTCATGGATGCGGGTACTGATGCCATGGATGTATTGATGGGAAGGGTTATCCAGTCAAG
 CTTGGAATAATTGGAGTAGTAAACAGAAGCCAAGTGGATTAACAATAAGAAGAGTGAAGTATTGATCA
 TCCGTGATGAGTATGCTTTTCTCAAAGAAGTACCCATCTCGCCAACAGAAATGGAACAAAGTATCT
 TGCTAGGACCCCTGAATAGGTTACTTATGCATCATATCAGAGATTGTTTACCAGAGCTGAAAACAAGATA
 AATGTCTTAGCTGCTCAGTATCAGTCTCTTCTAAATAGCTATGGTGAACCGGTGGATGATAAAAGTGCTA
 CTTTACTCCAGCTTATTACCAAATTTGCCACAGAGTATTGTAACACGATTGAAGGAACCGCAAAGTACAT
 TGAAACTTCTGAGCTATGCGGTGGTCTAGGATTTGTTATATTTCCATGAGACTTTCGGGCGAACCTTA
 GAATCTGTGGACCACTAGGTGGCTTAACACTATTGACATCCTGACTGCCATCAGAAATGCTACTGGCC
 CCCGTCCTGCTTATTTGTGCCTGAAGTTTCATTTGAGTTACTGGTCAAACGTCAGATTAAGCGTCTAGA
 AGAGCCCAGCCTACGGTGTGGAGCTGGTCCATGAGGAGATGCAGAGGATCATTAGCATTGTAGCAAT
 TACAGCACACAGGAATTTACGGTCCCTAACTTACGATGCCATAGTTGAAGTAGTGACCTGTCTTC
 TTCGTAAGAGTTGCCCGTGACAAATGAAATGGTGCATAACTTAGTGCAATTGAGCTAGCTATATCAA
 CACAAAACACCCCGACTTTGCTGATGCCTGTGGGCTAATGAACAATAATATAGAGGAACAAAGAAGAAAC
 AGGCTAGCAAGAGAGCTGCCTTCAGCTGGATCACGGGACAAGTTAATTCAGGACAACAGAAGAGAAACTA
 AAAATGTCCCATCTGCAGGTGGTGGGATTGGAGACGGTGGTCAAGAACCAACAGGCAACTGGAGAGG
 AATGCTGAAAACCTCAAAGCTGAAGAATTACTTGTGAAGAAAATCAAACCAATTCCAATTATGCCA
 GCAAGTCCACAGAAAGGCCATGCTGTCAATTTGCTAGATGTGCCAGTTCAGTTGCAAGAAAACCTGCTG
 CCCGAGAACAGCGAGATTGTGAGGTTATTGAAAGACTTATCAAATCATATTTTCTAATTGTCAGAAAGAA
 TATTCAAGACAGTGTCCCAAAGGCAGTAATGCATTTTTTGGTTAATCATGTGAAAGATACTTTCAGAGT
 GAACTGGTAGGCGAGCTGTATAAGTCATCCTTATTAGATGACCTTCTGACTGAATCCGAGGACATGGCCC
 AACGAAGAAAAGAAGCAGCGGATATGCTGAAGGCATTACAAGGAGCCAGTCAAATATTGCTGAAATCCG
 AGAGACTCATCTTTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230677 representing NM_001276341
 Red=Cloning site Green=Tags(s)

MLYTFDEIRQEIENETERISGNNKGVSPPIHLKVFSPNVNLTLDLPGMTKVPVGDQPKDIELQIRE
 LILRFISNPNSIILAVTAANTDMATSEALKISREVDPDGRRTLAVITKLDLMDAGTDAMDVLMGRVIPVK
 LGIIGVVNRSQLDINNKSVDTSIRDEYAFQKKYPSLANRNGTKYLARTLNRLMHHIRDCLPELKTRI
 NVLAAQYQSLNSYGEVDDKSATLLQLITKFATEYCNTIEGTAKYIETSELGGARICYIFHETFGRTL
 ESVDPLGGLNTIDILTAIRNATGPRPALFVPEVSFELLVKRQIKRLEEPSLRCELVHEEMQRIIQHCSN
 YSTQELLRFPKLDHDAIVEVVTCLLRKLPVTNEMVHNLVAIELAYINTKHPDFADACGLMNNNIEEQRRN
 RLARELPSAGSRDKLIQDNRETKNVPSSAGGGIGDGGQEPPTGNWRGMLKTSKAEELLAEKSKPIPIIMP
 ASPQKGHAVNLLDVPVPVARKLSAREQRDCEVIERLIKSYFLIVRKNIQDSVPKAVMHFLVNHVKDTLQS
 ELVQGLYKSSLLDLDLLESEDMQRKEAADMLKALQGASQIIAEIRETHLW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_001276341.1 , NP_001263270.1
RefSeq Size:	3829 bp
RefSeq ORF:	1839 bp
Locus ID:	74006
UniProt ID:	Q8K1M6
Cytogenetics:	16 A2
MW:	69.2 kDa
Gene Summary:	This gene encodes a member of the dynamin family. The encoded protein is localized to the cytoplasm and mitochondrial membrane, is involved in mitochondrial and peroxisomal division, and is essential for mitochondrial fission. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 2. [provided by RefSeq, Feb 2013]