

Product datasheet for **RN201293**

Dnm1 (NM_080689) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnm1 (NM_080689) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnm1
Synonyms:	Dnm
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201293 representing NM_080689
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCAACCGCGCATGGAAGACCTCATCCCGCTGGTTAACCGTTACAGGACGCCTTCTCTGCCATCG
 GCCAGAACCGCGGACCTCGACTTGCCGCAGATCGCCGTGGTAGGCGCCAGAGCGCCGCAAGAGCTCGGT
 GCTGGAGAATTTCTGGGCGAGGACTTCTTGCCTCCGAGGATCCGGCATCGTCACCCGCGCTCCCCTGGT
 CTGCAGCTGGTTAATTCTACCACAGAATATGCCGAGTTCCTGCACTGCAAGGGGAAGAAATTCACCGACT
 TCGAGGAGGTGCGCTGGAGATCGAGGCTGAGACCGAGTCACTGGCACCAACAAGGCATTTCGCC
 TGTGCCATCAACCTGCGGGTCTACTCACCCATGTGCTCAACCTGACTCTAGTGGACCTGCCAGGAATG
 ACCAAGTCCCAGTTGGGACCAACCTCCTGACATCGAGTTCAGATCCGGGACATGCTTATGCAGTTT
 TACTAAGGAGAACTGCCTTATCCTGGCTGTGCTCCCTGCCAATCGGACCTGGCAACTCTGATGCCCT
 CAAGATCGCCAAGGAGGTGGACCCAGGGTCAGCGCACCATGGGGTCAACCAAGTTGGACCTGATG
 GACGAGGGCACAGATGCTCGGGATGTGCTGGAGAACAAGCTGCTCCATTGCGCAGAGGCTACATTGGCG
 TGGTGAACCGGAGCCAGAAGGACATAGATGGCAAGAAGGATATCACAGCCGCCTTGGCTGCCGAGCGCAA
 ATTCTTCTCTCCACCCATCCTACCGCACTTGGCTGACCGCATGGGCACACCTACCTGCAGAAGGTC
 CTCAACGAGCAACTGACCAACCACATCCGGGACACGCTGCCGGGACTTCGGAACAACTGCAGAGCCAGC
 TGCTGTCCATTGAGAAGGAGGTGGACGAGTACAAGAACTCCGACCGGATGACCCAGCGCGCAAGACCA
 GGCCCTGCTGCAGATGGTCCAGCAGTTTGCAGTGGACTTCGAGAAGCGCATTGAGGGTTCTGGAGACCAG
 ATCGACACTTATGAAGTGTGAGTGGAGCCGCATTAACCGGATCTTCCACGAACGCTTCCCTTTTGAGC
 TGTTAAGATGGAGTTTATGAGAAGAACTGCGAAGGGAGATCAGCTACGCTATCAAGAACATTCATGG
 CATCAGGACAGGCTCTCACTCCTGACCTCGCTTTTGAAGCCACAGTGAAAAAGCAGGTGCAGAAGCTC
 AAAGAGCCAGTATCAAGTGTGTGGACATGGTAGTCAGTGAAGTCACTCCACCATCAGAAAGTGTAGT
 AAAAGTCCAGCAATACCCCGTCTGCGGGAGGAAATGGAACGAATTGTGACCACCCACATCCGAGAACG
 TGAGGGCCGACCAAGGAGCAGGTATGCTTCTCATCGACATTGAGTTGGCTTACATGAATACCAACCAT
 GAAGACTTCATAGGCTTTGCCAATGCTCAGCAGAGAAGCAACAGATGAACAAGAAGAAGACTTCAGGGA
 ACCAGGATGAGATTCTGGTCATTGAAAGGGTGGCTGACCATCAACAACATCGGCATCATGAAGGGAGG
 CTCAAGGAGTACTGGTTTGTGTGACTGCTGAGAATCTGTCTGTTACAAGGACGATGAGGAGAAAGAG
 AAGAAGTACATGTGCTGTGGATAATCTGAAGTGCCTGATGTGAGAAGGGCTTCATGTCAAGCAAGC
 ATATTTTTGCCCTCTTAACACTGAGCAGAGGAATGTCTACAAGGATTACCGGCAGCTGGAAGTGGCCTG
 TGAGACACAGGAGGAGGTGGACAGTTGGAAGGCTTCTTTCTGAGGGCTGGCGTGTACCCTGAGCGTGT
 GGGGACAAGGAGAAAGCCAGTGAAGTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
 AGCTGGAGCGCCAGGTGGAGACCATCCGGAACCTGGTAGACTCGTACATGGCCATTGTCAACAAGACTGT
 ACGGGATCTATGCCAAGACCATCATGCACCTCATGATCAACAATACCAAGGAGTTTATCTTCTCTGAG
 CTGCTGGCCAACCTGACTCTTGCAGGGGACAGAACACGCTGATGGAAGAATCGGCCGACAGGCTCAGC
 GCGCGACGAGATGCTGCGTATGTACCACGCACTGAAGGAGGCGCTCAGCATTATCGGCGACATCAACAC
 GACCACCGTCAGCACGCCCATGCCCGCCGCTGGACGACTCTGGCTGCAGGTGCAGAGGCTACCGGCC
 GGACGCAAGTCCGCCACGTCAGCCCCACGCCGACGCGGAGCCCCCGCGTGCCTCCAGCCCGGCCCG
 GGTGCGGGGCGCTGCTCCTGGGCTCCGCTGCTGGATCCGCCCTGGGGGGGCTCCCCCGTGCCTC
 CAGGCCGGGGCTTCCCCTGACCCCTTTGGCCCCCTCCAGGTTGCCCTCGCGCCCAACCGCGCCCCG
 CCTGGGTCCCCAGAATCACTATCAGTGACCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_080689
Insert Size: 2556 bp

OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_080689.4 , NP_542420.1
RefSeq Size:	3221 bp
RefSeq ORF:	2556 bp
Locus ID:	140694
UniProt ID:	P21575
Cytogenetics:	3p12
Gene Summary:	mediates GTP hydrolysis; plays a role in receptor mediated endocytosis; required for agonist-induced internalization of the epidermal growth factor receptor [RGD, Feb 2006]