

Product datasheet for **RR210360**

Dnm3 (NM_138538) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnm3 (NM_138538) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnm3
Synonyms:	dynamain-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR210360 representing NM_138538
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGAACCGGGAGATGGAAGAACTGATCCCTCTGGTGAACCGTCTGCAGGACGCTTTCTCGGCTCTGG
 GACAGAGCTGTCTGCTGGAGCTGCCACAGATCGCCGTGGTGGGCGCCAGAGCGCCGCAAGAGCTCAGT
 GCTCGAGAACTTCGTGGGCAGGGACTTTCTTCTCGAGGCTCGGGCATTGTGACCAGACGACCTCTTGTA
 CTCACGCTTGTCACCTCTAAAGCAGAATATGCCGAGTTTCTACATTGCAAAGGAAAAAATTTACAGATT
 TTGATGAAGTTCGCCACGAGATCGAAGCAGAAACGGACCGAGTAACAGGAATGAATAAAGGCATCTCCTC
 TGTACCCATTAACCTGCGAGTCTACTCTCCCCACGTGTTAAACCTAACGCTAATCGACCTACCTGGAATA
 ACGAAAGTGGCCGTGGGAGACCAGCCGCAGATATTGAGTATCAGATCAGAGATATGATTATGCAGTTCA
 TCACCAGGGAGAACTGTCTGATTTTGGCTGTACACCAGCCAACCCGATCTTGGCAACTCAGATGCCCT
 GAAGCTAGCCAAAGAAGTCGATCCTCAAGGCCTGAGGACCATTTGGCGTTATCACCAGCTGGATCTCATG
 GATGAAGGGACGGATGCCAGGGATGACTAGAGAAACAAGCTGCTACCTCTCCGCAGGGGGCTATGTGGGGG
 TGGTCAACCGAAGCCAGAAGGACATAGATGGAAGAAGGACATTAAAGGCAGCTATGCTGGCAGAAAGGAA
 ATTTTTCTCTCTCATCCAGCATATAGACACATTGCTGATCGGATGGGGACCCACACCTCCAGAAGGTC
 CTGAATCAGCAACTTACCAACCATATCCGAGATACCCTGCCCACTTCAGGAACAAGCTACAGGGGCAGC
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 AGCACTGCTACAGATGGTCCAACAGTTCGCTGTGGACTTTGAGAAGAGAATCGAAGGGTCGGGGGATCAA
 GTAGACACGTTAGAGCTCTCTGGCGTGCTAAGATCAATCGCATTTTCCACGAGCGCTTTCTTTTGAGA
 TAGTGAAGATGGAGTTCAATGAGAAAGAACTGAGAAGAGAAAATAAGCTATGCAATCAAAAACATACACGG
 GATCAGGACAGGGTTGTTTACTCCAGACATGGCGTTTGAGGCAATAGTCAAAAAACAGATAGTAAAACTG
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 ATCAGGGAACCAATCTTCGCCCTCAAGGCAAATTTGATTTCGGAAGGGCTGGCTGACCGTCAGCAACAT
 TGGCATCATGAAAGGAGGCTCGAAGGGCTACTGGTTTGTCTCACGGCAGAAAGCTTGTCTGGTATAAA
 GACGATGAGGAGAAAGAAAAGAAGTATATGCTTCCACTGGACAACCTGAAAGTCCGGGACGTGGAGAAAG
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 TTCCCTGGAGCTGGCCTGTGATTTCCAGGAGGATGTGGACAGCTGGAAGGCGTCTCTGCTCAGAGCTGGC
 GTCTATCCAGACAAGTCTTTTACTGAAAATGATGAAAATGGACAAGCAGAAAACCTTCTCCATGGACCCGC
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 CCTCCAAGCCCCACCACCAAGAAAGGCTGACTCTAAGTGTCTCCCTCCCGAGGCCCGCATCTAGCCGTG
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 ATTACCTCCTTTTCCCAACAGCAGTACTCCTACGGAGCCCTCCACAGTTCCATCCAGGCCCAAGG
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 AGTCTCACTGTTAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210360 representing NM_138538
 Red=Cloning site Green=Tags(s)

MGNREMEELIPLVNRLQDAFSALGQSCLELPLQIAVVGGSAGKSSVLENFVGRDFLPRGSGIVTRRPLV
 LQLVTSKAEYAEFLHCKGKFTDFDEVHEIEAETDRVTGMNKGISSVPINLRVYSPHLNLTIDLPGI
 TKVPVGDQPPDIEYQIRDMIMQFITRENCLILAVTPANTDLANSALKLAKEVDPQGLRTIGVITKLDLM
 DEGTDARDVLENKLLPLRRGYVGVNRSQKIDIDGKKDIKAAMLAERKFFLSHPAYRHIADRMGTPHLQKV
 LNQQLTNHIRDTLPNFRNKLQGGLLSIEHEVEAFKNFKPEDPTRKTKALLQMVQQF AVDFEKRIEGSGDQ
 VDTLELSGGAKINRIFHERFPFEIVKMEFNEKELRREISYAIKNIHGIRTGLFTPDMAFEAIVKKQIVKL
 KGPSLKSVDLVMQELINTVKKCTKRLANFPRLCEETERIVANHIREGKTKDQVLLLDIQVSYINTNH
 EDFIGFANAQRSSQVHKKSTIGNQGTNLPPSRQIVIRKGLWTVSNIGIMKGGSKGYWFLTAESLSWYK
 DDEEKEKKYMLPLDNLKVRDVEKGMSSKHVFALFNTEQRNVYKDYRSLELACDSQEDVDSWKASLLRAG
 VYPDKSF TENDENGAENFSMDPQLERQVETIRNLVDSYMSIINKCIRDLPKTIIMHLMINNVKDFINSE
 LLAQLYSEDQNTLMEESVEQAQRREMLRMYQALKEALAIIGDINTVTVSTPAPPVDDSWLQHSRRSP
 PPSPTTQRRLLSAPLPRPASSRGPAPAIPSPGPHSGAPPVFRPGPLPPFPNSSDSYGAPPQVPSRPT
 APPSVPSRRPPSPTRPTIIRPLESSLLD

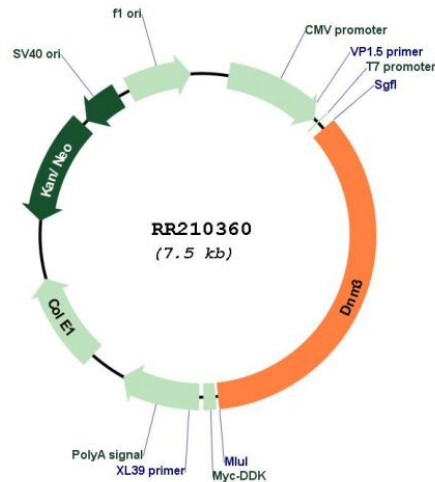
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_138538

ORF Size: 2607 bp

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:

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_138538.1](#), [NP_612547.1](#)

RefSeq Size: 3252 bp

RefSeq ORF: 2610 bp

Locus ID: 171574

UniProt ID: [Q08877](#)

Cytogenetics: 13q22

MW: 97.9 kDa

Gene Summary: putative dynamin GTPase; may be involved in endocytosis [RGD, Feb 2006]