

Product datasheet for **RR204879**

Mmel1 (NM_001107997) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmel1 (NM_001107997) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mmel1
Synonyms:	Mell1; NEP2; NEPII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR204879 representing NM_001107997
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAAGTCGGAGAGCTCAGTGGGGATGATGGAGAGAGCGGACAACCTGTGGGAGGAGCGCCTAGGCT
 TCGTGGAGTGTGGGCTGCTGGTACTGCTGACACTGCTGTTGATGGGAGCCATAGTACTCTGGGTGCTT
 CTACAGCATAGGGAAGCAGCTGCCCTCTTAAATAGCCTGCTGCACGTCTCCCGCATGAGAGGACGGTT
 GTAAAACGAGCCGCCCTCAGAGATTCATCGCAGAAGAGTGACATCTGTACTACCCCAAGCTGCGTGATAG
 CAGCTGCCAGAATCCTCCAGAACATGGACCAGTCAAAGAAACCCTGCGACAACCTCTATCAGTATGCTTG
 CGGAGGCTGGCTACGGCACCATGTGATCCCGAGACCAACTCCAGATACAGCGTCTTTGACATCCTTCGG
 GATGAGCTGGAGTTCATCCTCAAAGGGTGTGGAGGATTCCTCTGTCCAGCACCGCCAGCTGTGGAGA
 AGGCCAAGACACTGTACCGCTCCTGCATGAACCAGAGTGTGATAGAGAAGAGAGACTCTGAGCCCCTGCT
 GAACGTCTTAGATATGATAGGAGTTGGCTGTAGCCATGGACAAGTGAATGAGACCATGGGCCCAAG
 TGGAACTGGAGCGGCAGTTGGCTGTGTTGAACTCGCAGTTCAACAGGCGCGTCCATCGACCTCTTCA
 TCTGGAATGATGACCAGAACTCCAGCCGGCACGTATCTACATAGACCAGCCACCTTGGGCATGCCCTC
 CCGGGAGTACTATTTCAAGGAAGACAGCCACCGGTTACGGGAAGCCTACCTGCAGTTCATGACATCAGTG
 GCCACTATGCTGAGGAGAGACCTGAACCTGCCCGGGAGACCGATTTGGTGCAGGAGGAAATGGCACAGG
 TGCTGCATCTGGAGACACATCTGGCCAACGCCACGGTCCCCCAGGAGAAAAGGCATGATGTACCCGCCCT
 GTATCACCGAATGGGCCCTGGAGGAGCTGACGAAAGGTTTGGTCTGAAGGGGTTAACTGGACTCTTTC
 ATACAAAACGTGCTGTCTTCTGTGCAAGTTGAGCTGCTCCCGAATGAGGAGGTGGTGTCTATGGCATCC
 CCTACCTGGAGAATCTTGAGGAGATCATTGACGTCTTCCAGCACAGACCTTGCAAAAACCTGGTGTG
 GCGCCTGGTGTAGATCGCATCGGCAGCCTGAGCCAGAGATTCAAAGAAGCGCGTGTGGACTACCGCAAG
 GCGCTGTACGGTACAACCATGGAGGAAGTACGCTGGCGGGAGTGTGTGAGCTATGTCAACAGCAACATGG
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 AAAAAGGCCCAGGAAAAGGCCTTGAATATCCGGGAACAGATCGGCTACCCTGACTACATTTTGAAGACA
 ATAACAGACACCTGGATGAGGAATACTCCAGTCTGACTTTCTCAGAGGACCTGTATTTTGAACGGGCT
 TCAGAACCTCAAGAACAATGCCAAAGGAGCCTCAAGAACTTCGGGAAAAGGTGGACCAGAATCTCTGG
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 TCCTCCAGCCACCCTTCTCAGCAAGGACCAACCACAGGCCTTGAATTTCCGGGGCATCGGGATGGTGT
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 TCTCTTGGGAACTAGCAGACAACCAGAAATGTGAACGGATTCAGCACCCCTCGGGGAGAACATCGCCGACAA
 CGGCGGTGTGCGGCAGGCATACAAGGCTTACCTACAGTGGCTAGCTGAAGGCGGCAGAGACCAGAGACTG
 CCGGGACTGAACCTGACCTATGCTCAGCTTTTCTTCACTAACTATGCCAGGTGTGGTGTGGGTCCTACA
 GGCCGGAGTTCGCCATCCAGTCCATCAAGACAGATGTCCACAGTCTCTTAAGTACAGGGTGTGGGCTC
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 CGATGTCGCATCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204879 representing NM_001107997
 Red=Cloning site Green=Tags(s)

MGKSESSVGMERADNCGRRRLGFVECGLLVLLTLLMGAIVTLGVFYSIGKQLPLLNLSLLHVSRHERTV
 VKRAALRDSSQKSDICTTPSCVIAAARILQNMDQSKKPCDNFYQYACGGWLRHHVIPETNSRYSVFDILR
 DELEVILKGVLEDDSSVQHRPAVEKAKTLYRSCMNQSVIEKRDSEPLLNVLDMIGGWPVAMDKWNETMGPK
 WELERQLAVLNSQFNRRVLIDLFIWNDDQNSRHHVYIDQPTLGMPSSREYFVKEDSHRVREAYLQFMTSV
 ATMLRRDLNLPGETDLVQEEMAQVHLHLETHLANATVPQEKRDVDTALYHRMGLEELQERFGLKGFNWTFL
 IQNVLSSVQVELLPNEEVVVYGIPLYLENLEEIIDVFPAQTLQNYLVWRLVLDRIQSLSQRFKEARVDYRK
 ALYGTTEEVWRWRECVSYVNSNME SAVGSLYIKRAF SKDSKSI VSELIEKIRSVFVDNLDELNWMDEESK
 KKAQEKALNIREQIGYPDYLEDNRRHLDEEYSSLTFSEDLYFENGLQNLKNAQRSLKKLREKVDQNLW
 IIGA AVNAFYSPNRNLIVFPAGILQPPFFSKDQPQALNFGGIGMVGHEITHGFDDNGRNF DKNGNMLD
 WWSNFSARHFRQQSQCMIQYSNFSWELADNQNVNGFSTLGENIADNGGVRQAYKAYLQWLAEGGRDQRL
 PGLNLTYAQLFFINYAQVWCGSYRPEFAIQSIKTDVHSPLKYRVLGSLQNLPGFSEAFHCPRGSPMHPMN
 RCRIW

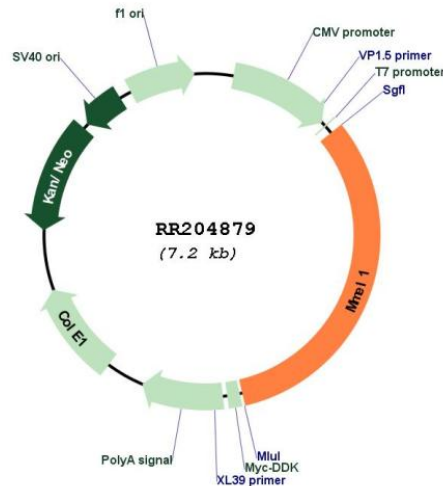
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107997

ORF Size: 2325 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_001107997.1](#), [NP_001101467.1](#)

RefSeq Size: 2812 bp

RefSeq ORF: 2328 bp

Locus ID: 313755

Cytogenetics: 5q36

MW: 89.4 kDa