

Product datasheet for **RR204775**

Mul1 (NM_001106695) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mul1 (NM_001106695) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mul1
Synonyms: RGD1309944
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR204775 representing NM_001106695
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAGCGGATCGGGCCGTCCTCGGTCAAGTCACTCCTGCTGGGCACCAGCTCGATGGTCACCGCCG
 TACTGTACTCCATATACCGGCAGAAGGCCAGGTCGCCAGGAACAAGGGAGCTAAGAAGATTCATTT
 GGGTGAAGATTTAAAGGCCATTCTTTCAGAAGCACCGGAAAGTGTGTGCCTTATGCTGTCATTGAAGGA
 GCTGTGCGGTGCGTTAAAGAAACGCTCAACAGCCAGTTTGTGGAGAACTGCAAGGGGTGATCCAGCGGC
 TGACGCTTCAGGAGCATAAGATGGTGTGGAACCGAACAACCCACCTGTGGAATGACTATTCCAAGATCAT
 TCACCAGAGGACTAACACTGTGCCCTTTGACCTTGTGCCACAGGACGGTGTGGCTATGGCTGTGCGA
 GTGCTGAAGCCCTGGACTCGGTGGATCTGGGCCCTAGAGACTGTGTACGAGAAGTTCCACCCCTCTGTAC
 AGTCTTCACCGATGCCATCGGCCACTACATCAGTGGGGAGCGGCCAAAGGCGTCCAGGAGACAGAGGA
 GATGCTGAAGGTGCGGGCCACCCACAGGGCATTGGTGTGCTGGTCTGGACAACAACCTGTGCCCTA
 CAGCCCCCAAGCAAGGCATGCAGTACTATCTGAGCAGCCAGGACTTCGACAGCCTGTGACAGGCAGG
 AGTCTAGTGTGCGGCTCTGGAAGTTCTGGTACTTGTGTTCGGCTTTGCCACCTGCGCCACCCTCTTCTT
 CATCCTGAGGAAGCAGTACCTTCAGCGGCAGGAGCGCTGCGCCAGCAGCAGCTCCAGGACGAGTTCCCTG
 GAGCACGAGGCCACCTGCTGAGCCAAGCCTCTCCTGAGGACAGGAGAGTCTGAAGAGCGCCTGTGTTG
 TTTGTCTGAGCAACTCAAGTCTTGTGTCTTCTCGAGTGTGGCACGTGTGTTCTGCCGCCAGTGTTA
 CCTTGCCCTTGCCAGAGCCCAAGAGGTGCCCGATCTGTGCGGGGTATCACCGGGTGATACCCCTGTAT
 AACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR204775 representing NM_001106695
Red=Cloning site Green=Tags(s)

MESGSRPSLGQVILLGTSSMVTAVLYSIYRQKAQVAQELKGAKKIHLGEDLKAILSEAPGKCVPIAVIEG
 AVRSVKETLNSQFVENCKGVIQRLTLQEHKMVWNRTHLWVNDYSKIIHQRTNTVPFDLVPHEDGVAMAVR
 VLKPLDSVDLGLLETVYEKFFHPSVQSFTDAIGHYISGERPKGVQETEEMLKVGATLTGIGELVLDNNSVRL
 QPPKQGMQYYLSSQDFDLSLLHRQESSVRLWKVLLVVFGFATCATLFFILRKQYLQRQERLRQQQLQDEFL
 EHEAHLLSQASPEDRESLKSACVVCLSNFKSCVFLECGHVCSRCQCYLALPEPKRCPICRRGITRVIPLY
 NS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2682_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001106695

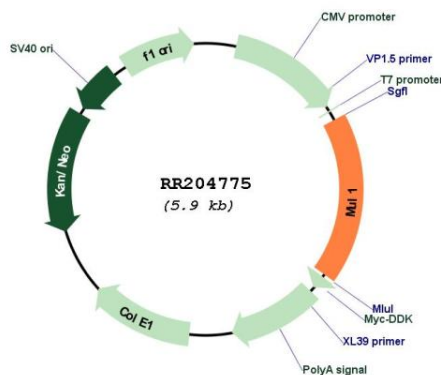
ORF Size: 1056 bp

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 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](#)

- 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_001106695.1](#), [NP_001100165.1](#)
- RefSeq Size:** 4251 bp
- RefSeq ORF:** 1059 bp
- Locus ID:** 298576
- Cytogenetics:** 5q36
- MW:** 39.8 kDa

Product images:



Circular map for RR204775