

Product datasheet for **RR201620**

Micu1 (NM_199412) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Micu1 (NM_199412) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Micu1
Synonyms:	Cbara1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201620 representing NM_199412
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTCGTCTTAACGCCCTCTCTGCGTTGGCAGAAGTGGCCGTGGGCTCCCGCTGGTACCATGGAACAT
 CTCAGCCACACAGACTAAGCGGAGACTGATGTTGGTGGCGTTCCCTCGGAGCATCCGCGGTGACTGCAAG
 TACCGGTCTCCTGTGGAAGAAGGCTCACGCAGAATCTCCACCGAGCGTCAACAGCAAGAAGACTGACGCT
 GGAGATAAGGGGAAGAGCAAGGACACCCGGGAAGTGTCCAGCCATGAAGGAAGCGCTGCAGACACTGCGG
 CCGAGCCTTACCCAGAGGAGAAGAAGAAGCGTTCTGGATTACAGAGACAGAAAAGTAATGGAGTATGA
 GAATAGGATCCGAGCCTACTCCACACCAGACAAAATCTCCGGTATTTGCCACCTTGAAAGTAATCAAC
 GAACCTGGTGAAGTGAAGTGTTCATGACCCACAGGACTTTGTGCGCTCCATAACACCCAATGAGAAGC
 AGCCAGAACACTTGGGCCTGGATCAGTACATAATAAAGCGCTTCGATGGAAGAAAATTGCCAGGAACG
 AGAAAAGTTTGTGACGAAGGCAGCATCTCTATACCTTGGAGAGTGTGGACTCATCTCCTTCTCTGAC
 TACATCTTCTCACACCGGTGCTCTCCACTCTCAGAGAAATTTGAAAATTGCCCTCAAGATGTTTGACT
 TGAATGGAGATGGAGAAGTAGACATGGAGGAGTTTGGAGGTTCAAAGCATCATTCCGCTCCAGACCAG
 CATGGGCATGCGTCACAGAGATCGTCCAATACTGGGAACACCCTCAAGTCTGGCTTATGTTCCGGCCCTC
 ACGACCTACTTTTTGGAGCTGATCTCAAAGGGAAACTGACCATTAATAAACTTCTGGAATTTCCAGCGTA
 AACTGCAGCATGACGTTCTAAAGCTGGAGTTTGAACGCCATGACCCGGTAGACGGGAGAATCTCTGAGAG
 GCAGTTCGGTGGCATGCTGCTGGCCTACAGTGGAGTGCAGTCCAAGAAGCTGACCGCCATGCAGAGGCAG
 CTGAAGAAGCACTTCAAGGATGGGAAGGCCTGACTTCCAGGAGGTGGAGAACTTCTTCACTTTCTGCA
 AGAACATTAATGACGTGGACACTGCGTTAAGCTTTTACCACATGGCTGGAGCATCCCTTGATAAAGTGA
 CATGCAGCAAGTGGCCAGGACAGTGGCGAAAGTGGAGTGTCCGACCACGTGTGTGACGTGGTGTGTTGCA
 CTCTTTGACTGCGACGGCAATGGGGAGCTGAGCAATAAGGAGTTTGTCTCCATCATGAAGCAGCGGCTGA
 TGAGAGGCTGGAGAAGCCCAAGGACATGGGCTTACCGTCTCATGCAGGCCATGTGGAATGTGCCCA
 AGAAACCGCTGGGACTTTGCTTACCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201620 representing NM_199412
 Red=Cloning site Green=Tags(s)

MFRLNALSALAELAVGSRWYHGTSQPTQTKRRLMLVAFLGASAVTASTGLLWKKHAESPPSVNSKKTDA
 GDKGKSKDTREVSSHEGSAADTAEPYPPEEKKKRSGFRDRKVMYENRIRAYSTPDKIFRYFATLKVIN
 EPGETEVFMTQPQDFVRSITPNEKQPEHLGLDQYIIKRFDGKKIAQEREKFADEGSIFYTLGECGLISFSD
 YIFLTTVLSTPQRNFEIAFKMFDLNGDGEVDMEEFEVQVQSIIRSQTSMGMRHRDRPTTGNTLKSGLCSAL
 TTYFFGADLKGLTIKNFLEFQRKLQHDVLEKLEFERHDPVDGRISERQFGMMLLAYSQVQSKKLAMQRQ
 LKKHFKDGKGLTFQEEVENFFTLKNINDVDTALSFYHMAGASLDKVTMQQVARTVAKVELSDHVCVVFA
 LFD CDNGELSNKEFVSIMKQRLMRGLEKPKDMGFTRLMQAMWKAQETAWDFALPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

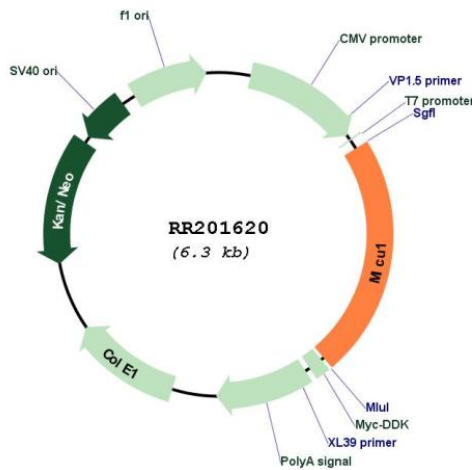
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_199412

ORF Size:

1431 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_199412.1](#), [NP_955444.1](#)

RefSeq Size: 2300 bp

RefSeq ORF: 1434 bp

Locus ID: 365567

UniProt ID: [Q6P6Q9](#)

Cytogenetics: 20q11

MW: 54.2 kDa

Gene Summary: human homolog is an antigen recognized by IgE autoreactive antibodies in atopic dermatitis patients [RGD, Feb 2006]