

## Product datasheet for RN212789

### Micu2 (NM\_134396) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Micu2 (NM_134396) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Micu2
Synonyms:	Efha1; RGD1309934; Smhs2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212789 representing NM_134396 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGGCGGCGGCTGCGGGAAGAAGCGCTCGGCTGGCGGCTGGGGCGAAAGGCTGCGGCGCGGGCTTGCGG  
CGGGCGGACGAGCTGTGCCGAGTCGCGGCCCTCTGGCAGCGGCTGTGGCCGGCGTGGCCCTGGCAGGCGC  
AGGAGCAGCATGGCATCACGGACGCGTAAAGCAGCCGCGCGAGAGCACCCCTTACGGGTTTGGTGCAG  
AAAAATGACTTGGGACCAATAGAGAACTTTCTCTCCGAAACAGCGGTTTCATGCAGTTTCTCACTGG  
AGCATGACGGAGAGTATTACATGACGCCCGAGACTTCCTTCTCAGTGATGTTTGAGCGAATGGATCG  
TAAACACTAGTCAAGAAGCTGGCAAAAAGGATATCGAGGATGTACTGTGAGGAATCCAAACAGCACGT  
TGTGGATCAACGTTTTTTAGAGACCTAGGCGATAAAGGGTAATTTATATACTGAGTATCTTTCTTGC  
TTACGATCCTCACAAGCCTCACTCTGGGTTCCATGTTGCTTTTAAATGCTGGATGCAGATGGTAATGA  
GATGATTGAGAGAAAGGAGTTTGTAAAGCTGCAGAAGATCATAAGTAAGCAAGATGGCTTCAAGACAGTG  
AAGACTAATGAGATAGAATACCAGGAACCAACAGTGAACGAGCCTGGCCTTAACACAACCCCTTCAAGTGC  
GTTTCTTTGGGAAAAGAGGAGAAAAAAGCTTCATTATAAAGAATTTGAAAGTTTATGGAAAATTTACA  
AACAGAAGTTCAAGAAATGGAATTCCTTCAGTTTTCTAAAGGTTTGAATTTTCATGAGAAAAGAAGACTTT  
GCAGAGTGCTACTTTTCTCACTAACTCTGAAAATAAAGACATTTACTGGAAAATGTGAGAGAAAAGT  
TGTCAGTAGGAGAGAGCATTAGTTTGGATGAGTTCAAGTCTTCTGCCATTTTACAACACATTTGGAAGA  
CTTCGCTATCGCCATGCAGATGTTTCAAGTTAGCTCATCGCCCTGTGAGGCTGGCGGAGTTCAAGAGAGCT  
GTGAAAGTGGCGACTGGACAAGAGCTTTCCAACAATCTTCTGGACACTGTCTTCAAGATCTTTGACCTGG  
ACGGGGACGAATGCCTCAGCCACGGGGAGTTTCTTGGAGTACTGAAAACAGGATGCATCGAGGTTTATG  
GGTGTGCGCAGCAGAGTGTGCAAGAATACTGGAAGTGCCTGAAGAAGGAAAGCATTAAAGGAGTGAAG  
GAGGCCTGAAAACAGGCCGGGAAGGGCCCTTCTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-RsrII
<b>ACCN:</b>	NM_134396
<b>Insert Size:</b>	1296 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_134396.2</a></u> , <u><a href="#">NP_599223.2</a></u>
<b>RefSeq Size:</b>	2348 bp
<b>RefSeq ORF:</b>	1296 bp
<b>Locus ID:</b>	171433
<b>UniProt ID:</b>	<u><a href="#">Q99P63</a></u>
<b>Cytogenetics:</b>	15p12
<b>Gene Summary:</b>	displays differential expression during soleus muscle disuse atrophy [RGD, Feb 2006]