

Product datasheet for **MC217488**

Micu3 (NM_030110) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Micu3 (NM_030110) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Micu3
Synonyms:	2900075B16Rik; Efha2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217488 representing NM_030110
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCGCTGCGGAGTTCTGTGGCCGCCCTCGGCTGTGCCGGCGCTCGCCCTCAGCAGCCCT
 TCCTCTACCGTGGGGCGGCCTGCGGGGACGGCTCCCGGATGTGGGGCGGCCCTTCTCTGCCGGGA
 GGAGGACGAGGGGGCGTCCGCGAGGCGCGTGGCGGCGGACGCTGGGGCGAGCTGAGCATCGCGGCG
 GCGGCTGGCGGGGGCTGGTCCGCCCTGTGTGCTACCAGCTGTATGGGACCCAGAGCCGACCCCTCGG
 AGCTAGCGGCCCGGAACCTCGAGGACCCGCCCGCGCAGGGGGCTGTGCCATCCCGGTGGTCTGTC
 CAAGGAGACGGTTGCTACTGGCAGAGCCATTACTGAAGACTTGGACCTCTATGCTACATCTCGAGAGAGA
 CGGTTTCGTTTATTTGCATCTATAGAATGTGAAGGACAGTTATTCATGACTCCATATGATTTTATTCTGG
 CTGTTACAACAGATGAGCCAAATTTGCTAAAACGTGGAAGTCACTTTCTAAACAGGAATTAAGTCAGAT
 GCTCTCAGAACTCCACCAGTTTGAAGGGATCATCAAAGCTTTTTCGAAATCTTAAAGAAAGAGGTGTG
 ATTTCTTACACAGAATATCTTTTCTTTTATGTATTTAAACAAAGCCCATGCAGGTTTTAGAATAGCTT
 TCAACATGTTTGACACTGACGGAATGAGATGGTGGATAAAAAAGAATTTTTGGTGTTCAGGAGATATT
 CAGGAAAAAAATGAAAAGAGAGAACTAAAGGAGATGAAGAAAAACGTGCCATGCTGCGTCTTCAACTT
 TATGGATACCATCTCCTACTAATAGTGTACTTAAAACAGATGCTGGGAACTTGTCTCCAGAAGCTACT
 GGGATACCCTGAGACGTAGCACAAAGCCAGGCGCTTCTCAGACCTCGCAGAGCGTGTGATGACATCAC
 AAGCTTAGTAGCAGATACTACACTTCTGGTACACTTTTTTGGAAAAAAGGAAAAGCTGAGCTCACTTT
 GAAGATTTTTATAGATTTATGGACAATCTACAAACAGAAGTTCTAGAAAATAGAATTTCTTCTACTCTA
 ATGGAATGAATACTATCAGTGAAGAAGATTTTGGCCATATTCTCCTGCGGTATACTAATGTGAAAAATAC
 ATCAGTATTTTTAGAAAATGTGCGCTACAGTATATCTGAAGAAAAGGGCATCACATTTGATGAGTTCAGG
 TCATTCTCCAGTTTCTGAACAACCTTAGAAGACTTTGCAATAGCTCTCAACATGTATAAATTTGCAAGCC
 GCTCTATAGGACAAGATGAATTTAAACGTGCTGTATACGTAGCTACTGGACTGAAACTTTTACCACATTT
 GGTGAACACTGTCTCAAGATTTTGTGTTGACAAAGATGACCAATTAAGTTATAAAGAATTTATTGGA
 ATTATGAAAGACAGACTCCATAGAGGTTCCGGGGTTATAAAACAGTCCAGAAGTATCCGACCTTCAAT
 CCTGCCTGAAAAAGAACTTCACAGCAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_030110
- Insert Size:** 1572 bp
- OTI Disclaimer:** 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).
- 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_030110.1](#), [NP_084386.1](#)

RefSeq Size: 3268 bp

RefSeq ORF: 1572 bp

Locus ID: 78506

UniProt ID: [Q9CTY5](#)

Cytogenetics: 8 A4

Gene Summary: May play a role in mitochondrial calcium uptake.[UniProtKB/Swiss-Prot Function]