

## Product datasheet for **MC220871**

### **Mtus1 (BC041777) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mtus1 (BC041777) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtus1
Synonyms:	ATBP135, MTSG1, Cctsg1-440, mKIAA1288, Atip1, MD44, B430010I23Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC041777  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCCAAAATTTAAGAGGAACACTGCCCACTGTCATGTCGATGGTGAATGCCAGTACTGGTGCCAG  
 CTTTTGAGAAGAGTAAAACCAGAGTCTGGGCTCTGAGTGTAAAGTCACTGTGACTGAAGACCCACACAT  
 CGATCCCATGACAATGACTCAGACATCCAAAGTACTGAAAGAGCTGACCCTGAGAAGTGTTCAGGG  
 CAGAGGGGTTTCATCTTATGAAATGGGTTGGGGCGAGAACGGCGGAGCCATTTGCACAGATAAAGCAGGTT  
 GCATGTCAACACCAGTTAAGCAACCCCCAATCTGAGCTTCAGACTTGAACCTGCTGAAGTGAAGAAGTA  
 CAATAATGTGGAGAATGGACCAAGAGATGCTAAAAGTGCACCAAACCTGAAAGGGGAACCAACAAATATG  
 CCAAAACCTAATTTGGGAAAATCAGCTACCAAAACAAATACCACTGTAGGCAGTAAAGTCAAGGAAGACAG  
 AATTATAAGTTATCCACACCAAACCTTCAAAAACATTAAGCCAAAGTTATATCCAGATCAGTGTTCGA  
 ACCCAAAGACACTTCCGTAAATGAAGGACACACCAACCCCTCAGGTAACAGGGGGCTTCCACCATCACCA  
 GGGCCTTCTAAACAGTTGACAATGATGAACAAAGCACCAAGATCTGACTTTAAAGCCGGCAAAAAAGCAG  
 AAATCCCAATTAACAAGACACACAAGCAACAGTTTAATAAACTCATTACCAGCCAGGCTGCGCAAGTTAC  
 AACTATTCTAAAAATGCTTCGCTCGGGGTTCCAAGAACAACATCTGCCCGGAAATCGAATCAGGAGAAT  
 GTTGACAAGACAGGTTCTCCTCATGCAGGGAGTGAGACCGGGTCTGTAGCTGCCTTCTCCAGAAGATCA  
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 ACGAATGAGATTTTGAATCCAAGTCTCTATTGGTGGGCTCTGCACCCAAAACCTCCACCAGCCAGGAA  
 GGAGCAGTTCCAAGCCAGACTCGCGGAGCCTGAGGAAAACACCAGTCTAAAAGCCAAAGTGGGGCCCA  
 TGCTGCCTGCCTGAGGAGGAAGAGCGAGAGTAGAACCTTAGGCTCCGACAGGGCCTTATCGCCTCAGAGG  
 ATCAGGCGCTGTCCGGCTCTGGTGTCTGCTGCCATCAACAAATATGAAGAGAAAACCTCCCAACAAG  
 CATTTCAGAATGGGTGAGACCCCTGTATCTGAAGCCTTGGTACCCAGAGCTCACTCGCACTTGTCTCAA  
 AACTTCTCCAAAAGTCTTCAAGGAAGAGTCTGTTTACAGCTTTTAATTCAGTTGAAAAGGGCAGGCGAG  
 AAGAATCCAGGAGCCTGTGCATCCAGACCCAGACAGCTCCAGATGTGCTGTCTCCGAGAGAACGCTTG  
 AGTTGGCCCAATACAAGACAAAATGTGAAAGCCAAAGTGGATTTCATCCTGCACCTCAGGCAGCTTCTTTC  
 CCGTGGTAACACCAAGTTTGAAGCGCTGACAGTTGTGATCCAGCACCTCCTGTCTGAGCGGGAGGAAGCA  
 CTGAAGCAACACAAAACCTCTCTCAAGAACTTGTGAGCCTCCGGGGAGAGCTAGTTGCTGCTTCAAGCG  
 CCTGTGAGAAGCTAGAAAAGGCTAGGGCTGACTTACAGACAGCGTATCAAGAATTTGTCCAGAACTAAA  
 CCAGCAGCATCAGACAGACCCGGACGGAACCTGGAGAACCGGCTGAAGGACTTATACACCGCAGAGTGTGAG  
 AAGCTTACAGACATTTACATTGAGGAGGCGAAAAATATAAACTCAACTGCAAGAGCAGTTTGACAACT  
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 GAAGACCTATGAAACCTCCCTTTCAGAAATCAAGAAGAGCCATGAGATGGAGAAGAAGTCACTGGAGGAT  
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 ACGAAAGGTTGAAATCAGAGGAGCAAAAGCAACTGTCAAGAGAGAAGGCGAATTCAAAAACCTCAGGT  
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 GATTCCAGCAGGAAAACGAGGAGTTAAAAGCTCGCATGGACAAACACATGGCAATTTCAAGGCAACTTTC  
 CACCGAGCAGGCCGCGCTGCAAGAGTCCCTTGAAGAGGAGTCAAAGGTCAACAAGAGACTGTCCATGGAG  
 AACGAGGAACTTCTGTGAAACTGCACAACGGAGACCTGTGCAGCCCAAGAGATCCCCACCTCCTCGG  
 CCATCCCTTCCAGTCCCCAGGAATTCTGTTCTTCTCCAGCCCCAGCATCTCACCCAGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI  
 ACCN: BC041777

<b>Insert Size:</b>	2655 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="#">BC041777</a></u> , <u><a href="#">AAH41777</a></u>
<b>RefSeq Size:</b>	5218 bp
<b>RefSeq ORF:</b>	2654 bp
<b>Locus ID:</b>	102103
<b>Cytogenetics:</b>	8 A4
<b>Gene Summary:</b>	Cooperates with AGTR2 to inhibit ERK2 activation and cell proliferation. May be required for AGTR2 cell surface expression. Together with PTPN6, induces UBE2V2 expression upon angiotensin-II stimulation.[UniProtKB/Swiss-Prot Function]