

Product datasheet for **MC229476**

Mtus1 (NM_001286413) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtus1 (NM_001286413) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtus1
Synonyms:	AI481402; ATBP135; Atip1; B430010I23Rik; B430305I03Rik; C85752; Cctsg1-440; MD44; mKIAA1288; MTSG1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229476 representing NM_001286413 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGATGATAATTCAGATAGGACAGAAGATGGATCGCGTTATGTATTTATCCGAGATAAAAACTCGA
ATCCATCTGAATACTACCAAACATCGCTATCTGCCAGTGCCTTCAGTGAGTCACGGGGATTGAACTC
TGACAACCCAGATGCCATGGTGGTCGATTATGAAATGGATCCTGCGGTGGACAGTAGTCAAAGTGTATCT
TTAAGCCATCAGTGTGTTGAAGAACTTGCTTACCCAGAGCCTTCAAGTATTCATGGGGAAGCATGAGT
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CAGTAACGTGTGACTCCCTAGAGGCAATCCAGGATGAGAAGTTTGATCCCTTAAGCCCTGTGAGTGCAGG
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ATTATAAGTTATCCTACACCAAACCTTCAAAAACATTAAGCCAAAGTTATATCCAGATCAGTGTGCAAC
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 GCCTTCTAAACACTTGACAATGATGAACAAAGCACCAAGATCTGACTTTAAAGCCAGCAAAAAGCAGAA
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 TTTTCAAGATGGGTGAGGACCTTGTATCTGAAGCCTTTGGTACCCAGAGCTCACTCGACTTGCTCAAAA
 CTTCTCCAAAAGGTCCTCAAGGAAGAGTCTGTTTACAGCTTTTAATTCAAGTGGAAAAGGCAGGCAGAA
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 GAAGCAACACAAAACCTCTCTCAAGAACTTGTCAAGCCTCCGGGGAGAGCTAGTTGCTGCTCAAGCGCC
 TGTGAGAAGCTAGAAAAGGCTAGGACTGACTTACAGACAGCGTATCAAGAATTTGTCCGAAAACCTAAACC
 AGCAGCATCAGACAGACCCGACGGAACCTGGAGAACCGGCTGAAGGACTTATACCCGCAGAGTGTGAGAA
 GCTTCAGAGCATTTACATTGAGGAGGCAGAAAAATATAAACTCAACTGCAAGAGCAGTTTGACAACTTA
 AACGCCGCCATGAGACCACTAAGCTTGAGATTGAAGCTAGCCACTCGGAGAAGGTGGAATTGCTGAAGA
 AGACCTATGAAACCTCCCTTTAGAAAATCAAGAAGAGCCATGAGATGGAGAAGAAGTCACTGGAGGATCT
 GCTTAATGAGAAGCAGGAATCGCTGGAGAAACAATCAATGATCTGAAGAGTGAAAACGATGCTTTAAAC
 GAAAGTTGAAATCAGAGGAGCAAAAAGCAACTGTCAAGAGAGAAGGCGAATTCAAAAAACCTCAGGTCA
 TGTATCTGGAGCAAGAAGCTAGAAAAGCCTGAAGGCTGTGTTAGAGATCAAGAATGAGAAGCTGCACCAGCA
 GGACATGAAGCTAATGAAGATGGAAAAGCTGGTGGACAATAACACAGCATTGGTTGACAAGCTGAAGCGA
 TTCCAGCAGGAAAACGAGGAGTTAAAAGCTCGCATGGACAACACATGGCAATTTCAAGGCAACTTTCCA
 CCGAGCAGGCCGCTGCAGGAGTCCCTTGAAGAGGAGTCAAGGTCACAAGAGACTGTCCATGGAGAA
 CGAGGAACCTCTGTGAAAAGCTGCACAACGAGACCTGTGCAGCCCAAGAGATCCCCACCTCCTCGGCC
 ATCCCTTCCAGTCCCCAGGAATCTGGTTCCTTCTCCAGCCCCAGCATCTACCCAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001286413
- Insert Size:** 3633 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001286413.1](#), [NP_001273342.1](#)

RefSeq Size: 6432 bp

RefSeq ORF: 3633 bp

Locus ID: 102103

UniProt ID: [Q5HZI1](#)

Cytogenetics: 8 A4

Gene Summary: 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]
Transcript Variant: This variant (5) differs in the 5' UTR, compared to variant 1. Variants 1 and 5 encode the same protein (isoform 1).