

Product datasheet for **RC222043**

MTUS1 (NM_020749) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | MTUS1 (NM_020749) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | MTUS1 |
| Synonyms: | ATBP; ATIP; ATIP3; ICIS; MP44; MTSG1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RC222043 representing NM_020749
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGTGTCTCCCAAATTCCTTATCCACCATTACATACGACTGACGGCCAAAGGATTGCTTCGAA
 ACCTTCGACTTCCTTCAGGGTTTAGGAGAAGCACTGTTGTTTTCCACACAGTTGAAAAGAGCAGGCAAAA
 GAATCCTCGAAGCTTATGTATCCAGCCACAGACAGCTCCCGATGCGCTGCCCCCTGAGAAAAACCTTGAA
 TTGACGCAATATAAAACAAAATGTGAAAACCAAAGTGGATTTATCCTGCAGCTCAAGCAGCTTCTTGCTT
 GTGGTAATACCAAGTTTGAGGCATTGACAGTTGTGATTACAGCACCTGCTGTCTGAGCGGGAGGAAGCACT
 GAAACAACACAAAACCTATCTCAAGAATTGTTAACCTCCGGGGAGAGCTAGTCACTGCTTCAACCACC
 TGTGAGAAATTAGAAAAAGCCAGGAATGAGTTACAAACAGTGTATGAAGCATTCTCCAGCAGCACCAGG
 CTGAAAAACAGAACGAGAGAATCGGCTTAAAGAGTTTTACACCAGGGAGTATGAAAAGCTTCGGGACAC
 TTACATTTGAAGAAGCAGAGAAGTACAAAATGCAATTGCAAGAGCAGTTTGACAACCTAAATGCTGCGCAT
 GAAACCTCTAAGTTGAAATGAAGCTAGCCACTCAGAGAACTTGAATTGCTAAAGAAGGCCTATGAAG
 CCTCCCTTTCAGAAATTAAGAAAGGCCATGAAATAGAAAAGAAATCGCTTGAAGATTTACTTTCTGAGAA
 GCAGGAATCGCTAGAGAAGCAAATCAATGATCTGAAGAGTGAAAATGATGCTTTAAATGAAAAATTGAAA
 TCAGAAGAACAAAAAGAAGAGCAAGAGAAAAAGCAAATTTGAAAAATCCTCAGATCATGTATCTAGAAC
 AGGAGTTAGAAAGCCTGAAAGCTGTGTTAGAGATCAAGAAATGAGAAACTGCATCAACAGGACATCAAGTT
 AATGAAAATGGAGAACTGGTGGACAACAACACAGCATTGGTTGACAAATGAAGCGTTTCCAGCAGGAG
 AATGAAGAATTGAAAGCTCGGATGGACAAGCAGTGGCAATCTCAAGGCAGCTTCCACGGAGCAGGCTG
 TTCTGCAAGAGTCGCTGGAGAAGGAGTCGAAAGTCAACAAGCAGCTCTATGAAAAACGAGGAGCTTCT
 GTGGAAACTGCACAATGGGGACCTGTGTAGCCCCAAGAGATCCCCCACATCCTCCGCCATCCCTTTGCAG
 TCACCAAGGAATTCGGGCTCCTTCCCTAGCCCCAGCATTTCACCCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222043 representing NM_020749
 Red=Cloning site Green=Tags(s)

MLLSPKFSLSLTIHIRLTAKLLRNLRLPSGFRRSTVVFHFTVEKSRQKNPRSLCIQPQTAPDALPPEKTLE
 LTQYKTKCENQSGFILQLKQLLACGNTKFEALTVVIQHLLSEREEALKQHKLSQELVNLRGELVTASTT
 CEKLEKARNELQTVYEAFVQQHQAEKTERENRLKEFYTREYELRDTYIEEAKEYKMLQEQFDNLNAAH
 ETSKLEIEASHSEKLELLKKAYEASLSEIKKGHEIEKKSLEDLLSEKQESLEKQINDLKSENDALNEKLL
 SEEQKRRAREKANLKNPQIMYLEQELESKAVLEIKNEKLHQDIKLMKMEKLVNNTALVDKLRKRFQQE
 NEELKARMDKHMAISRQLSTEQAVLQESLEKESKYNKRLSMENEELLWKLHNGDL CSPKRSPTSSAIPLQ
 SPRNSGSFPSPSISPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8059_h01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_020749

ORF Size: 1308 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_020749.4](#)

RefSeq Size: 3738 bp

RefSeq ORF: 1311 bp

Locus ID: 57509

UniProt ID: [Q9ULD2](#)

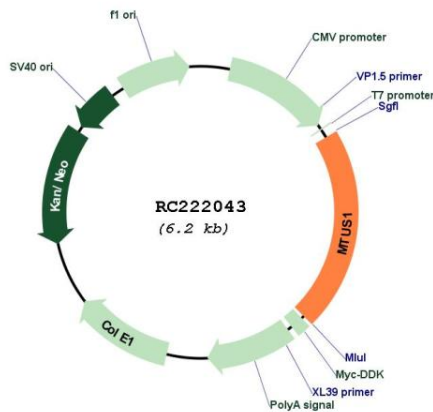
Cytogenetics: 8p22

Protein Families: Druggable Genome, Transcription Factors, Transmembrane

MW: 50.4 kDa

Gene Summary: This gene encodes a protein which contains a C-terminal domain able to interact with the angiotension II (AT2) receptor and a large coiled-coil region allowing dimerization. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the transcript variants has been shown to encode a mitochondrial protein that acts as a tumor suppressor and participates in AT2 signaling pathways. Other variants may encode nuclear or transmembrane proteins but it has not been determined whether they also participate in AT2 signaling pathways. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC222043