

Product datasheet for **RG222152**

MTUS1 (NM_001001931) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTUS1 (NM_001001931) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MTUS1
Synonyms:	ATBP; ATIP; ATIP3; ICIS; MP44; MTSG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG222152 representing NM_001001931
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGTACCAGGAGGATTTTCGACGTTGTACAGAACTGATATTTCTTCAAAAATCTTTATCAATTCTA
 CACTACCCACCGGCTGGTTCAGAGAGGCACTATGATGCTACCTTATTGACACTGCTGGTTCGTTGGGATC
 GTACAGCCTTTGTATAATTCCTTTGTTAGCCACGTTTACTGGGAAAAAACTGGTAAATGCCGCTGTCATC
 AAATATGAGGAGAAACCTCCAAAACCAGCATTTCAGAATGGTTCCTCAGGATCCTTTTATTTGAAGCCTT
 TGGTATCCAGGGCTCATGTTTCACTTGTGAAAACCTCTCCAAAAGGTCCTTCGAGAAAAATTTATTTAC
 AGCTCTTAATGCAGTTGAAAAGAGCAGGCAAAAGAATCCTCGAAGCTTATGTATCCAGCCACAGACAGCT
 CCCGATGCGCTGCCCCCTGAGAAAACACTTGAATTGACGCAATATAAAACAAAATGTGAAAACAAAGTG
 GATTTATCCTGCAGCTCAAGCAGCTTCTTGCCCTGGTAATACCAAGTTTGAGGCATTGACAGTTGTGAT
 TCAGCACCTGCTGTCTGAGCGGGAGGAAGCACTGAAACAACACAAAACCTATCTCAAGAACTTGTTAAC
 CTCGGGGAGAGCTAGTCACTGCTTCAACCACCTGTGAGAAATTAGAAAAAGCCAGGAATGAGTTACAAA
 CAGTGTATGAAGCATTCTCCAGCAGCACCAGGCTGAAAAACAGAACGAGAGAATCGGCTTAAAGAGTT
 TTACACCAGGGAGTATGAAAAGCTTCGGGACACTTACATTGAAGAAGCAGAGAAGTACAAAATGCAATTG
 CAAGAGCAGTTTGACAACCTAAATGCTGCGCATGAAACCTCTAAGTTGGAATGAAAGCTAGCCACTCAG
 AGAAACTTGAATTGCTAAAGAAGGCCTATGAAGCTCCCTTTAGAAAATTAAGAAAGGCCATGAAATAGA
 AAAGAAATCGCTTGAAGATTTACTTTCTGAGAAGCAGGAATCGCTAGAGAAGCAAATCAATGATCTGAAG
 AGTGAAAAATGATGCTTTAAATGAAAAATGAAATCAGAAGAACAAAAAGAAGAGCAAGAGAAAAAGCAA
 ATTTGAAAAATCCTCAGATCATGTATCTAGAACAGGAGTTAGAAAGCCTGAAAGCTGTGTTAGAGATCAA
 GAATGAGAAACTGCATCAACAGGACATCAAGTTAATGAAAAATGGAGAACTGGTGGACAACAACACAGCA
 TTGGTTGACAAATTGAAGCGTTTCCAGCAGGAGAAATGAAGAATTGAAAGCTCGGATGGACAAGCACATGG
 CAATCTCAAGGCAGCTTTCCACGGAGCAGGCTGTTCTGCAAGAGTCGCTGGAGAAGGAGTCGAAAGTCAA
 CAAGCGACTCTCTATGAAAAACGAGGAGCTTCTGTGAAACTGCACAATGGGGACCTGTGTAGCCCCAAG
 AGATCCCCACATCCTCCGCCATCCCTTTCAGCTACCAAGGAATTCGGGCTCCTTCCCTAGCCCCAGCA
 TTCCACCCAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG222152 representing NM_001001931
 Red=Cloning site Green=Tags(s)

MTVPGGFRSCTETDISSKIFINSTLTPPAGSERHYDATLLTLLVVGYSYSLCIIPLLATFTGKKTGNAAVI
 KYEEKPPKPAFQNGSSGFYKPLVSRHVHLMKTPPKGPSRKNLFTALNAVEKSRQKNPRSLCIQPQTA
 PDALPPEKTLELTQYKTKCENQSGFILQLKQLLACGNTKFEALTVVIQHLLSEREEALKQHKTLSQELVN
 LRGELVTA STTCEKLEKARNELQTVYEAFVQQHQAEKTERENRLEKFTREYKLRDITYIEEAKEYKMQ
 QEQFDNLNAAHETSKLEIEASHSEKLELLKKAYEASLSEIKKGHEIEKKSLEDLLSEKQESLEKQINDLK
 SENDALNEKLSSEEQKRRAREKANLKNPQIMYLEQELESKAVLEIKNEKLHQQDIKLMKMEKLVNNTA
 LVDKLRKFQENEELKARMDKHMAISRQLSTEQAVLQESLEKESKVNKRLSMENEELLWKLHNGDLCSPK
 RSPTSSAIPLQSPRNSGSPSPSISPR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001001931

ORF Size: 1551 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_001001931.2](#), [NP_001001931.1](#)

RefSeq Size: 4018 bp

RefSeq ORF: 1554 bp

Locus ID: 57509

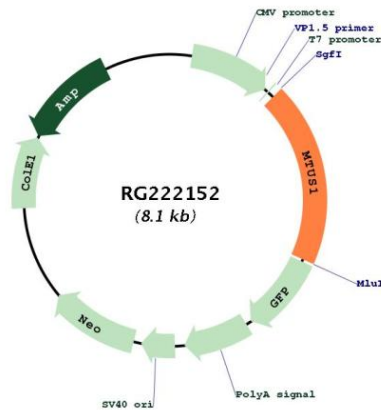
UniProt ID: [Q9ULD2](#)

Cytogenetics: 8p22

Protein Families: Druggable Genome, Transcription Factors, Transmembrane

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 RG222152