

Product datasheet for **SC300344**

MTUS1 (NM_001001925) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTUS1 (NM_001001925) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTUS1
Synonyms:	ATBP; ATIP; ATIP3; ICIS; MP44; MTSG1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001001925, the custom clone sequence may differ by one or more nucleotides

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ATGACTGATGATAATTCAGATGATAAAATAGAAGATGAATTGCAAACCTTCTTTACCAGT
GATAAAGATGGAAATACACATGCATACAACCCGAAATCACCACCTACACAAAACCTTTCA
GCCAGCAGTGTGAACTGGAATTCTGCCAACCCAGATGACATGGTGGTTGATTATGAACT
GACCCTGCTGTAGTTACTGGTGAATAATTTCTTTAAGCCTTCAGGGTGTGAAGTATTT
GGTCATGAAAAGTCTTCTAGTGATTTTCATTAGTAAGCAGGTGTTAGATATGCATAAAGAT
TCTATTTGTGTCAGTGTCTGCCTGTAGTACTGAGAAGCCAAATATCTGCAACACAGT
TGTCATTCCTTAGAAGCAGTTGAGGGCCAGAGTGTGAGCCATCTTGCCTTTTGTGTGG
AAGCCTAATGACAATTTGAACTGTGCAGGCTACTGTGATGCCTTGGAGCTAAACCAAACA
TTTGACATGACAGTGGATAAAGTAACTGCACCTTTATATCACATCATGCCATCGGAAAG
AGTCAGTCCCTCCATACTGCTGGAAGCCTGCCACCAACTGGTAGGAGAAGTGAAGTACA
TCTTCTTTATCCTATTCCACTGGACATCTTCCATTCTGATAAGACGCATGCAAGAGAA
ACTACTTATGATAGAGAAAGCTTTGAAAACCTCAAGTCACACCATCAGAAGCCCAAGAC
ATGACTTACACAGCATTTTCTGATGTGGTGTGCAAAAGTGAAGTGGTGGTTCAGATATT
GGAAATCAGTGTGCATGTTCTTCAGGAAAGTCCACAGTACACAGATGGATCACAA
CAAAGACTAGTTGGAGAAAAGGAGACACAAGCACTAACCCAGTTTCTGATGGCATGGAA
GTCCCAATGATTCTGCATTACAAGAGTTCTTTGTTTATCCCATGATGAATCCAATAGC
GAACCACATTCACAGAGCTCATACAGGCACAAGGAAATGGGCCAAAATCTGAGAGAGACA
GTGTCCTATTGCTTATTGATGATGAATGCCCTTTAATGGTGCCAGCTTTTGATAAGAGC
GAAGCTCAAGTGTGCAACCCAGAGCATAAAGTCACTGAGACTGAAGACACACAAAATGGTC
TCCAAAGGAAAGGATTTGGGAACCCAAAATCATACCTCAGAATTGATTCTAAGTAGCCCG
CCAGGACAAAAGGTGGGCTCGTCAATTTGGACTGACTTGGGATGCAAAATGATATGGTCATT
AGCACAGACAAAACGATGTGCATGTCAACACCAGTCTAGAACCCACAAAAGTAACCTTT
TCTGTTTCACCGATTGAAGCGACGGAGAAATGTAAGAAAGTGGAGAAGGGTAATCGAGGG
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AGTTACCAAGACAAAACCTTCAAGAATGTCAAAGCAAAAGTTATGTCTAGAGCAGTGTG
CAGCCCAAGATGCTGCTTTATCAAAGGTACGCCCAGACCTCAGCAGACCAGTGCCTCA
TCACCCTCATCAGTGAATTCAAGACAACAACAGTCTTGAGCAGAACCCGAGATCTGAC
TTGAATGCAGACAAAAAGCAGAAATTTAATTAACAAGACACATAAGCAGCAGTTAAT

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AAACTCATTACTAGCCAGGCTGTGCATGTTACAACCTATTCTAAAAATGCTTCACACAGG
GTTCCAAGAACAACATCTGCCGTGAAATCGAATCAGGAAGATGTTGACAAAGCCAGTTCT
TCTAACTCAGCATGCGAGACCGGGTCCGTTTCTGCGTTGTTTCAGAAGATCAAAGGCATA
CTCCCTGTTAAAAATGGAAAGTGCAGAATGTTTGGAAATGACCTATGTTCCCAACATTGAT
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CTGAAACAAGAGATTATGAATGAGACTTTTGAATATGGTTCTCTGTTTTTGGGCTCTGCT
TCAAAAACAACGACCACCTCAGGTAGGAATATATCCAAGCCTGACTCCTGCGGTTTGAGG
CAAATAGCTGCTCCAAAAGCCAAAAGTGGGGCCCCCTGTTTCTGTTTGAGGCGGAACAGT
GACAATAGAAATCCCAGTGCTGATCGAGCCGTATCTCCTCAGAGGATCAGGCGTGTGTCC
AGTTCTGCTGGTAATGCCGCTGTCATCAAATATGAGGAGAAAACCTCCAAAACCAGCATT
CAGAATGGTTCCTCAGGATCCTTTTATTTGAAGCCTTTGGTATCCAGGGCTCATGTTTAC
TTGATGAAAACCTCCTCCAAAAGGTCCTTCGAGAAAAAATTTATTTACAGCTCTTAATGCA
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GATGCGCTGCCCCCTGAGAAAACACTTGAATTGACGCAATATAAAACAAAATGTGAAAAC
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AAAACCTATCTCAAGAACTTGTTAACCTCCGGGGAGAGCTAGTCACTGCTTCAACCACC
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CAGCACCAGGCTGAAAAACAGAACGAGAGAATCGGCTTAAAGAGTTTTACACCAGGGAG
TATGAAAAGCTTCGGGACACTTACATTGAAGAAGCAGAGAAGTACAAAATGCAATTGCAA
GAGCAGTTTGACAACCTTAAATGCTGCGCATGAAACCTCTAAGTTGGAAATGAAGCTAGC
CACTCAGAGAAACTTGAATTGCTAAAGAAGGCCTATGAAGCCTCCCTTTCAGAAATTAAG
AAAGGCCATGAAATAGAAAAGAAATCGCTTGAAGATTTACTTTTCTGAGAAGCAGGAATCG
CTAGAGAAGCAAAATCAATGATCTGAAGAGTGAATGATGCTTTAAATGAAAAATTGAAA
TCAGAAGAACAAAAAGAGCAAGAGAAAAAGCAAATTTGAAAAATCCTCAGATCATG
TATCTAGAACAGGAGTTAGAAAGCCTGAAAGCTGTGTTAGAGATCAAGAATGAGAAACTG
CATCAACAGGACATCAAGTTAATGAAAATGGAGAAACTGGTGGACAACAACACAGCATTG
GTTGACAAATTGAAGCGTTTCCAGCAGGAGAATGAAGAATTGAAAGCTCGGATGGACAAG
CACATGGCAATCTCAAGGCAGCTTTCACGGAGCAGGCTGTTCTGCAAGAGTCGCTGGAG
AAGGAGTCGAAAGTCAACAAGCGACTCTCTATGAAAAACGAGGAGCTTCTGTGAAAACCTG
CACAATGGGGACCTGTGTAGCCCAAGAGATCCCCACATCCTCCGCCATCCCTTTGCGAG
TCACCAAGGAATTCGGGCTCCTTCCCTAGCCCCAGCATTTCAACCAGATGA

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- Restriction Sites:** Please inquire
- ACCN:** NM_001001925
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:	<ol style="list-style-type: none">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:	<u>NM_001001925.1, NP_001001925.1</u>
RefSeq Size:	6229 bp
RefSeq ORF:	3651 bp
Locus ID:	57509
UniProt ID:	<u>Q9ULD2</u>
Cytogenetics:	8p22
Protein Families:	Druggable Genome, Transcription Factors, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. It encodes isoform 2 which lacks an internal segment, compared to isoform 1.</p>