

Product datasheet for RN212757

Mtus1 (NM_178093) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtus1 (NM_178093) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mtus1
Synonyms:	Atip3b; ATIP4; Mtsg1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212757 representing NM_178093 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGTTGTCTCCAAATTCTCCTTATCCACCATTACGTCGCGCTAACCGCCAAGGGACTGCTTCGAA
ACCTCCGGCTTCTTCTGGGCTCAGGAAAACTGTCAATTTCCACACAGTTGAAAAAGGCAGGCAGAA
AAACCCAGAAGCCTGTGCATCCAGACGCAGACAGCTCCAGATGTGCTGCCACCGAAAGACCCCTTGAG
TTGGCTGATTACAAGACAAAATGTGAAAATCAAAGTGGATTTATCTTGCACCTCAAGCAGCTTCTCTCCT
GTGGTAATACCAAGTTTGAAGCACTCACAGTCGTGATCCAGCACCTCCTGTCTGAGCGGGAGGAAGCACT
GAAGCAACACAAAACCTCTCTCAAGAATTGTGAGCCTCCGGGGAGAGCTAGTTGCTGCTTCCAGCACC
TGTGAGAAGCTAGAAAAGGCCAGGAATGACTTGCAAACAGCGTATGAAGGCTTCGTCCAGAAACTAAACC
AGCAGCATCAGACGGACCAGACGGAAGTGGAGAACCGGCTGAAGGAGTTTACACGGCAGAGTGTGAGAA
GCTCCAGAGCATTACATTGAGGAGGCAGAAAAATACAAAACCACTGCAAGAGCAGTTTGACAACTTA
AATGCCGCCATGAAACCACGAAGTTGGAGATTGAAGCTAGCCACTCAGAGAAAGTGGAGTTACTGAAGA
AGACCTATGAAACCTCCCTTTTCAGAAATCAAGAAAAGCCATGAAATGGAAAAGAAGTTACTGGAAATCT
ACTTAATGAGAAGCAGGAATCACTAGAGAAACAAATCAATGATCTGAAGAGTGAGAACGATGCTTTAAAC
GAAAGTTGAAATCAGAGGAACAAAAGCAACTGTCAAGAGAGAAGGCCAAACTCAAAAAACCTCAGGTCA
TGTATCTGGAGCAAGAACTAGAAAGCCTGAAAGCTGTGTTGGAGATCAAGAATGAGAAGCTGCATCAGCA
GGACCTGAAGCTAATGAAGATGGAAAAGCTGGTGGACAACAACAACATTGGTTGACAAGCTGACGAGA
TTCCAGCAGGAAAACGAGGAGCTGAAAGCTCGCATGGACAGACACATGGCAATTTCAAGACAACCTTCCA
CAGAGCAGGCAGCGCTGCAAGAGTCCCTTGAGAAGGAGTCAAAGGTCAACAAGAGGTTGTCCATGGAGAA
TGAGGAGCTGCTGTGAAAACGCACAACGGAGACCTCTGCAGCCCAAGAGATCCCCACATCCTCGGCC
ATCCCTTCCAGTCCCCAGGAATCTGGTTCTTCTCCAGCCCCAGCATCTCACCCAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_178093
Insert Size:	1323 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).
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_178093.2</u> , <u>NP_835194.2</u>
RefSeq Size:	4065 bp
RefSeq ORF:	1323 bp
Locus ID:	306487
UniProt ID:	<u>Q6IMY1</u>
Cytogenetics:	16q12.1
Gene Summary:	human homolog is a mitochondrial protein that may be involved in regulation of cell proliferation [RGD, Feb 2006]