

Product datasheet for MC218398

Mto1 (BC063256) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Mto1 (BC063256) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Mto1
 Synonyms: 2310039H01Rik; 5730419A02Rik
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >BC063256
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTCTTCTCCGAGGCCGTGGCCATTGGGCCGACGCTCCCTCGGCAGACGGCTGCCTTTGCGTCGCC
 TCCGCAGCGACAGCGCGGCCCTGCACCCCGCACTTCGACGTGGTAGTTATCGGAGGAGGGCACGCGGG
 GACCGAGGCGGCCCGCCGCCGCTCGCTGTGGCTCGCGGACCCCTGCTTCTCACGCACCGGTGGACACG
 ATCGGTACAGATGTCTGTAACTCTCTTTGGTGGCATCGAAAGGGGCAATTTGATGAGAGAAGTGGATG
 CCTTGGATGGTCTGTGTTCCCGGATCTGTGACCACTCTGGTATACATTACAAAGTGTAAACCGCGGTAA
 GGGCCCTGCTGTGTGGGACTGAGAGCACAGATTGACCGGAACTTTATAAACAGAACATGCAGAAAGAA
 ATCCTGAGCACGCCCTACTCACTGTTCAGAAGGGAGCTGTAGAAGATCTAGTCTTGCAGAACAGAGC
 CTGGGTACCCTGGGAAGTCCAGGGTCAGAGGTGTGTCTGCGAGATGGAAGTACAATTTATGCAGAGAG
 TGAATTTGACTACTGGGACATTTCTGAGAGGCATGATCATAATTGGATTGGAGATGCATCCTGCAGGA
 CGTTTGGGGATCAGCCCTCCATAGGTTGGCTCAGACTCTGGAGAAGTGGGATTTATGGTAGGAAGAC
 TAAAGACTGGAACCTCACCCCGACTCGCTAAAGAGTCCATTAATTTCTCCATTCTAAACAAGCACAC
 AGATGATCCATCCATACCATTCAGCTTTCTCAGTGACAGCGTGTGGATCAAGCCGGAAGACCAACTGCCA
 TGTTACTTGACTCACACCAACCCCGAGTGGATGCGATTGTCCTTGAGAACCTTACCTGAATAGCCACG
 TTCAGGAACTACAAAAGGGCCCGATACTGTCCCTCTATTGAATCAAAGGTTTTACGTTTTCCAAATCG
 TCTGCATCAGTTTTGTTGGAGCCTGAAGGAATGGATTCCGACCTCATCTACCCGCAAGGTTATCTGTT
 ACACTGCCAGCTGAGTTACAGGAGAAAATGATAACATGCATCAGAGGCTTGGAGAAAGCCAAAATGGTTC
 ACCCAGGCTATGGTGTGCAGTATGATTATTTAGACCCCGTCAGATCAGTCTTCCCTCGAGACACACTT
 GGTTACAGCGCTGTTCTTTGCTGGACAGATAAATGGAACCACTGGCTATGAGGAAGCTGCAGCTCAGTCC
 TCTTCTAGGGGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	BC063256
Insert Size:	3384 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:	BC063256
RefSeq Size:	5221 bp
RefSeq ORF:	1274 bp
Locus ID:	68291
Cytogenetics:	9 E1
Gene Summary:	Involved in the 5-carboxymethylaminomethyl modification (mnm(5)s(2)U34) of the wobble uridine base in mitochondrial tRNAs.[UniProtKB/Swiss-Prot Function]