

Product datasheet for **RN202264**

Mto1 (NM_001106841) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mto1 (NM_001106841) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mto1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202264 representing NM_001106841
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTCTCCGGACTGTGGCGCTGGGCCTCAGCGTCCCTCGGCAGACGGTTGCCTTTGCGTCGCC
 TCCGCAGCGACAGCGCGGCACCTGCAGCCCGCACTTCGACGTGGTAGTTATCGGAGGAGGGCACGCGGG
 GACCGAGCGCGCCGCGCGCTGCTCGTTGTGGCTCGCGACTCTGCTCCTCACACACCGGGTGGACACA
 ATCGGTGAGATGCTCTGTAATCCTTCTTTGGTGGCATCGAAAGGGGCATTTGATGAGAGAAGTAGATG
 CCTTGGATGGCCTGTGTTCTCGTGTCTGTGACCACTCTGGTATACATTACAAAGTATTAACCGCGTAA
 GGGCCCTGCTGTATGGGACTGAGAGCGCAAATTGATCGAAACTTTATAACAGAACATGCAGAAAGAA
 ATCCTGAGTACACCTTGTCTACTGTTCAGGAGGGAGCTGTGGAAGATCTAGTTCTTGCAGAGCCAGAGC
 CTGGATATGGGGGAAGTCCAGGGTCAGAGGCGTTGTTTTGGCTGATGGAAGTACAATGCATGCAGAGAG
 TGTAGTCTGACCACTGGGACCTTTCTGAGAGGCGCGCTCATCTTGGACTGGAGGTGCATCCTGCAGGA
 CGCTTGGGGGATCAGCCCTCCATAGGGTTGGCTCAGACTCTGGAGAAGTTGGGGTTTATGGTAGGAAGAC
 TGAAGACTGGAATCCACCCGACTCGCCAAAGAGTCCATTAATTCAGCATTCTACACGAGCACACAGC
 AGATAACCCACCCATCCCGTTACGCTTTCTCAGTGACGATGTGTGGATCAAGCCGGAAGATCAGTGCCA
 TGCTACTTGACTCACACCAACCCAGAGTGGATGAGCTCGTCTTGAGAACCTTCACCTGAATAGCCATG
 TTAAAGAACTACCAGAGGGCCCCGATACTGTCCTCTATTGAATCAAAGGTTTTACGTTTTCCAAACCG
 TCTGCATCAGGTTTGGTTGGAGCCTGAAGGAATGGATTCTGATCTCATCTACCCACAAGGTTGTCTGTT
 ACCTACCAGCCGAGTTACAGGAGAAAAATGATAACATGCATCAGAGGCTTGGAGAAAGCCAAAATGGTCC
 ATCCAGGCTATGGTGTTCAGTACGATTATTTAGATCCCCGTGAGTCAGTCCTTCCCTCGAGACGCATTT
 GGTTTCAGCGGTTGTTCTTTGCTGGACAAATAAATGGAACACAGGCTACGAGGAAGCTGCAGCTCAGGGG
 GTGATAGCTGGAATCAATGCCAGTCTGAGAGTCAGTCGAAAACCACTTTGTTGTGAGCCGCACAGAAG
 GCTATATAGGAGTCTTGATTGATGACCTCACCACCTGGGCACCAGCGAGCCGTACCGAATGTTCACTAG
 CAGAGTAGAGTTCGCTGTCTGCTGCGCCAGATAATGCTGACACCCGGCTCACATTCGAGCTCATGAG
 GATGCTGGCTGTGTGCTCCACAGCGATATAAAGAGCTTTGTGGATGAAGTCATCTTTAGAAGAAGGTA
 TTTCTGTGCTGAAATCCATTAAGTTTTCAAGCTCCAAGTGAAAAAGTTAATCCACAAGCTCCTATAAG
 TATTAATAGAAGCCTTCCTGTGCTGCTGATGCTGCTTAAGTATGAAGAAGTGGACATGGAGTCACTA
 GCCAGTGTGGTTCAGAGCCCTGAAGAAGTATACTGCATGTAGAGAGCTCGCCAGAAGACTGAAAAATCG
 AAGCTACTTATGAGTCAGTATTGTTGTATCAACTACAAGAAATAAAGGAAGTTCAGCAAGATGAAGCTTT
 GCAACTCCACAAGATCTAGATTATCTAACAATCAAGGATGTGTCATTGTCCCAGGAAGTTCGAGAGAAG
 CTACACTTGAGTCGCCCACAGACGATTGGAGCTGCTAGTCGATTCTGGAGTGACACCACTGCCATCA
 TCAATCTGCTCAGATTTGTGAGGAACACTCAGCAGAGACAGACAGCAGTGTGAGCACCAGACCAATCA
 GTGCTTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001106841

Insert Size: 2040 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:

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_001106841.1, NP_001100311.1

RefSeq Size: 2405 bp

RefSeq ORF: 2040 bp

Locus ID: 300852

Cytogenetics: 8q31