

Product datasheet for **RN201997**

Mtf1 (NM_001108677) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtf1 (NM_001108677) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mtf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201997 representing NM_001108677
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGAACACAGTCCAGACGACAACATCATCTTCTTTAAGGGAGAGGAAGATGACCTAACCCCGCATG
 ACAAGATGCTCAGTTTTGTGGATGACAACGGACTGGTGCCTTCCTCATCTGGAACGTTTATGATAGGAC
 CACTGTTCTCATAGAACAGGACCCCTGGCACTTTGGAGGATGATGAAGACGATGTACAGTGTGGAGAACAC
 TTGCCTTTTCTGGTGAAGGTGAAGAGGGCTTCTAATAGATCAGGAAGCAATGTCCAGGGTTACGTAC
 AACACATTATCTCACCAGATCAGATTCAATTTGACTATAAACCTGGTTCCAGCCCATGCCAAGAAACAT
 TGAAGGTGCGACTCTTACTCTGCAGTCGGAATGTCCTGAAACGAAACGGAAAGAAGTAAAGCGGTACCAG
 TGCACCTTTGAGGGATGCCCGCGCACCTACAGCACAGCAGGCAACCTACGCACCCACCAGAAGACTCACC
 GAGGAGAGTACACCTTTGTCTGTAAATCAGGAGGGCTGTGGCAAGGCCCTTCTCACCTCTACAGCCTCAG
 GATCCATGTGCGAGTGCACACAAAGGAGAAGCCATTTGAGTGTGAGCTGCAGGGCTGTGAGAAGGCATTC
 AACACACTGTACAGGTTGAAAGCACATCAGAGGCTTCACACAGGAAAAGGTTTAACTGTGAATCTCAAG
 GCTGCAGCAAGTACTTACCACACTCAGTGATCTGCGGAAGCACATTCGAACCCATACAGGAGAAAAGCC
 ATTTTCGATGTGATCATGACGGCTGTGAAAAGCATTTCGAGCAAGCCACCACCTTAAAACACTCACGTCCT
 ACACACTGGCGAAAGACCCCTTCTTCTGCCCCAGTAACGGCTGTGAGAAGACATTTAGCACTCAGTACA
 GTCTCAAAGTCACATGAAAGGTCACGATAACAAAGGCACCGCTACAGTGCCTTCTCAACACAATGG
 ATCAGAGGATACAAATCACTCACTTTATCTGAGTGAGTTGGGCCCTTCTGTCCACGGATTCTGAATTGCAA
 GAAAATTCAGTTCGACACAGGACCAGGACCTCAGCACAAATTCACCAGCAATCATCTTTGAATCAATGT
 TCCAGAATCTGACGACCTGCGATTGAGGATGACCCCTGCACACAGCTGCCTTGATTGACAGCTTCAA
 CGGAGATGCAGAATCTGTCACTGATGTCCACCGCTGCAGGAAATTCAGCGTCTTTATCTCTTCCACTT
 GTACTGCAGCCTGGCATCTCCGAGCCACCCAGCCTCTGCTGCCAGCCTCAACTCCGTCCTCCCTCCAC
 CTGCTCCCTCCCTAGGACCTGGTCCCAGCCAGCTGCATTTGGCAGCCCCCTGCTCTTACAACCTCC
 AGAAGTGCTGTTCCCCACAGCACACAGTTTGTGCTAATCATCAAGAGTTTCTCCGACCCCCAGGGC
 CCACCCAGACCATCGTACCAGGACTCTCTGTTGTTGCTGGGGCTCCTGCATCAGCAGCAACAGTGGCAT
 CAGCCGTGGCAGCACCAGCCCCACCACAAAGTACTACTGAGCCCTGCCTGCTATGGTCCAGACTCTGCC
 CCTGGGTGCCAACTCTGTCTAACTAATAATCCCACCATAACCATACCCCAACTCTAACACGGCAATC
 CTGCAGTCCAGCCTAGTCATGGGAGAGCAGAATTACAGTGGATATTGAACGGTGCCACCAGTTCACCAC
 AAAACCAAGAACAATTCAGCAAGCATCGAAAGTGGAGCAGGTGACTTTACCACCGCAGTACCAGTAGC
 CAGTAGCACAGGGAGCTCTGTTCAGCAGATTGGCCTCAGTGTTCCTGTGATCATCATAAACAAGAGGAG
 GCCTGTCACTGTCAGTGTGCGTCCGGGACTCTGCGAAGGAGCGGGCGGCCGGAGAAAGGGATGTT
 CTCCCCACCCCTCCAGAGCCGAACCCACAGCCTCCTGATGGGCCAGCCTGCAACTGCCACCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001108677
- Insert Size:** 2028 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_001108677.1](#), [NP_001102147.1](#)

RefSeq Size: 5300 bp

RefSeq ORF: 2028 bp

Locus ID: 362591

Cytogenetics: 5q36