

Product datasheet for **RN209973**

Mterf3 (NM_199387) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mterf3 (NM_199387) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mterf3
Synonyms:	Cgi12; Mterfd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209973 representing NM_199387 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCCTTGTAGCCCAACAGTTATCCAGATGGTCAACTCAGTTAAATTGAGTAGCTTCATTAAGCCA
CACAAGTCACAAACACTCTGCAGGACTAGGAAAAATGCCTCAGCTCAGGCCCTGTTGCCTCTGACAC
CTGCTTTCTCCAGTGGGAATTAAGACTGACAGGGCTTTGTTCTCCTGGAGCAGTTCCAGTCGGCCAAC
ACAACTAGAAGAAAGAGTTCTACCAACAGCACTCTGCTTCCTTCAGTGAGTGAACAGCCAGAGAAGATAC
CTAGGCTTGAATCTGAGCTGCCTCTGGAAGAACTGGACGACTTGCCTCCGCTGTCTCCGTTACAGCCAGT
TTCAGAGGAGGAGCTATTTCAGATTGCTGCATACTCCCCGCTGCCCTTTCTCCTCCACACTTGCAGAT
TACGTAGACCATTCCGAGACTCTACAGAAGCTGGTGCAGCTTGGAGTAGATTTGTCTAAGATAGAAAAAC
ATCCAGATGTAGCCAACCTCCTTCTAAGACTGAATTTTAAAAAGACATTAAGCAAATACTGCTATTTCT
TAAAGATTTGGGTTTGAAGATAACCAACTGGGACCATTCTGACAAAAAATTATGCTATTTTCTCTGAA
GACCTTAAAAATCTTAAGACCAGAGTAGCTTATCTACAGTCAAAAAATTCAGTAAGACAGATATTGCCT
GTATGGTCAAAATGCACCATTTCTGTTGAGCTTCTCCGTGGAAGACTAGATAACAGACTGGGATTTTT
TCAGAAAGAACTGGAAGTGAAGTGAAGAAAGACTAGAGATCTGGTTGTTCTGCTTCCAAGGCTACTAACA
GGAAGTCTGGAGCCTGTGAAGGAAACATGAAGTTTACCGCCTTGAAGTGGTTTTAAACATAATGAAA
TTCAGCATATGGTCACCAAGATCCCTAAGATGCTAACTGCAAAACAAAAGAAAACCTACGGAGACTTTTGA
TTATGTACACAATGTGATGAATATTTCCCAACCATATCATTGTCAAGTCCCAAGGTATTTAATACAAGA
GTATTTAAATTAAGAAAGACACTTGTTCCTTGCCTACTTGGGCAAGCACAGTATGATCCAGCAAAAC
CTAACTATGTGTCTTTGGACAAGTTCGTATCTTTTCTGATGAAGTATTTGTAAAGAGATTGCCAAAGC
TTCAGTAAACGATTTTGAGAAATCTTAAAACTCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_199387
Insert Size:	1230 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:	<u>NM_199387.1, NP_955419.1</u>
RefSeq Size:	1450 bp
RefSeq ORF:	1230 bp
Locus ID:	299514
UniProt ID:	<u>Q6P6Q6</u>
Cytogenetics:	7q22
Gene Summary:	Binds promoter DNA and regulates initiation of transcription. Required for normal mitochondrial transcription and translation, and for normal assembly of mitochondrial respiratory complexes. Required for normal mitochondrial function. Maintains 16S rRNA levels and functions in mitochondrial ribosome assembly by regulating the biogenesis of the 39S ribosomal subunit (By similarity).[UniProtKB/Swiss-Prot Function]