

Product datasheet for RN213414

Mterf4 (NM_001037209) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Mterf4 (NM_001037209) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Mterf4
 Synonyms: Mterfd2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN213414 representing NM_001037209
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCGCTGGGAAGGCAGGTTCTGAATGGCATCGTCTAATGGCCCTTCTGGGCCTGTTGGCTA
 GGCAGACCTGTCATTTCCAGAAAAGAGAAAAGATGAGTCCCTTTGTTTTGTTAACTGACTACAGTACC
 CAGTAGAGGGAACCTTCAAGAGTTTTCCAGCGTTAGACCCAAAAGTACATGCAGGAACCAACACAGG
 ACACGTCTTGTTCCGTGTCTCATGAGGAACAGAGGACATGTATGGGTTCTGAGTCTTGAGCTTGAAA
 GGGCCATCAGTCCCTCCAGGACATGGTTTTGCTGAAGCCCATATTGACAGCTTGCTCAATATAACAAC
 AAGTGTCCATCCTCAACAGTTGCTGGACATAATTTCAGAACTTCTACTCTGGGGTTGAACCCAGAGCCT
 GTATTTATGGCCTTGAAGAAAAATCCCCAGTTGCTGAACTGTCTGCCACGCAAATGAAGAGGCCTTCCA
 GTTACCTTCGGAAGCTCGGCCTTGGAGAAGGAACTGAAGCGGGTGCTTTCTGTTTGCCTAAGGTTTT
 CACCATGCGTCAGCAGGACATTGATAATATTGAAAAGTCTCAAGGAGAAGTGCTTGTTACAGTACAG
 CACATCACTGACATTCTGCACAGATGCCAGCTGTTTTGCAGGAGGACCCAGTGAGCTAGAATACAAT
 TCCAGTATGCATATTTCCAGGATGGGACTGACACATCTAGACATCGTCAGGACCGATTTCCACAGTATTC
 AATAGCCAAGGTCAAGCAGAGACATTTACTTGGAGCGCTTGGACGGTACCAAACCCCTGATAAGAAG
 GGGCAGACACAGATCCCTAATCCCTCACTGAAGAACATTCTCAGAGTTTCTGAAGCTGAGTTTTTGCCA
 GGACAGCCTGTTCTCTGCTGAGGAGTTTGAAGTTTTTAAAAAGCTCTTGATCAAGAGGAGGAGGATC
 TGAGAGCCATATGCTGAGGAGGAGGAGGAGGAAGAGGAAGAAGAGGAGGAGGAGCTGCC**TGA**

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001037209



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Insert Size:	1044 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_001037209.1</u> , <u>NP_001032286.1</u>
RefSeq Size:	1323 bp
RefSeq ORF:	1044 bp
Locus ID:	363289
UniProt ID:	<u>Q4G078</u>
Cytogenetics:	9q36
Gene Summary:	Regulator of mitochondrial ribosome biogenesis and translation. Binds to mitochondrial ribosomal RNAs 16S, 12S and 7S and targets NSUN4 RNA methyltransferase to the mitochondrial large ribosomal subunit (By similarity).[UniProtKB/Swiss-Prot Function]