

## Product datasheet for **MC206934**

### Mterfd2 (BC055877) Mouse Untagged Clone

#### Product data:

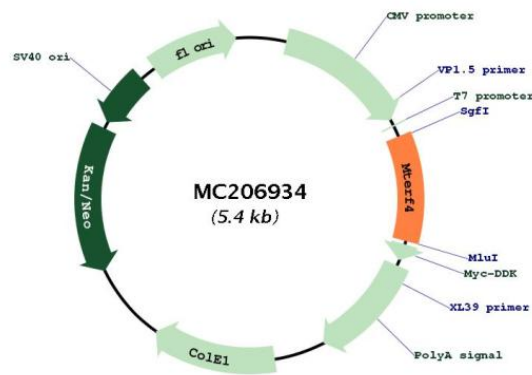
Product Type:	Expression Plasmids
Product Name:	Mterfd2 (BC055877) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mterfd2
Synonyms:	1810059A23Rik; 4933412H03Rik; Mterfd2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206934 representing BC055877. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGATGAAGAGGCGTCCAGTTACCTTCGGAAGCTTGGCCTTGGAGAAGGGAACTGAAGCGGGTG
CTGTCCGTTTGCCTGAGGTTTTACCATGCATCAGCGGGACATTGACCGAGTTGTGAAGTCTCAGG
GAGAAGTGCTTGTTCACGGCACAGCACATCACAGACGTTCTGCACAGATGCCCACTGTTTTGCAGGAG
GACCCCAACGAGCTAGAATACAAATCCAGTATGCATATTTAGGATGGGACTCACACATCTAGACATA
GTCAGGACGAATTTCTTACAGTATTCAATAACCAAGATCAAGCAGAGACACATTTACCTGGAGCGCCTT
GGACGGTACCAGACCCCTGATAAGAAGGGGCAGACACAGATCCCTAATCCCTCACTGAGGAACATTCTC
AGAGTTTCTGAAGCTGAGTTTTTGGCCAGGACAGCCTGTTCTCTGTGCGAGGAGTTTCAAGTTTTTAAA
AAACTCTTGATCAAGAGGAGGAGGAGGAGTCTGAGAGCCATGCATCTGAGGAGGAAGAGGAGGAG
GAAGAGGAGGAGCTACTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** BC055877

**Insert Size:** 573 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:** [BC055877](#)

**RefSeq Size:** 1255 bp

**RefSeq ORF:** 572 bp

<b>Locus ID:</b>	69821
<b>Cytogenetics:</b>	1 D
<b>MW:</b>	22.6 kDa
<b>Gene Summary:</b>	Regulator of mitochondrial ribosome biogenesis and translation. Binds to mitochondrial ribosomal RNAs 16S, 12S and 7S (By similarity). Targets NSUN4 RNA methyltransferase to the mitochondrial large ribosomal subunit.[UniProtKB/Swiss-Prot Function]