

## Product datasheet for **MC225788**

### **Etfbkmt (NM\_001252097) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Etfbkmt (NM\_001252097) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Etfbkmt  
**Synonyms:** 4833442J19Rik; A1256744; ETFB-KMT; Mettl20  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225788 representing NM\_001252097  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGTGGAGCATCAAAGATCTTGGCCAACGACATAGACCCCATTCAGGAATGGCGATTACACTAAATT  
 GCAAATTAATGGACTGAATCCTTTTCCTGTTTTAACTAAAAACATTTTGAATACCAACAAGGTAAGTT  
 TGATCTCATTGTTCTTGGAGATATGTTTTATGATGAAGACCTTCAGACAGTCTTCATCTGTGGCTGCAG  
 AACTACTTTTGGACCCATGGAACCCGAGTACTGATTGGTGACCCTGGGAGGCCCACTCAGTGGACATA  
 GCATTCGGCATCAACTGTACCACTAGTAGAATACACACTTCCAGAGCCAACCTCAGCAAGAGAACAATGG  
 ACTGACCACAAGTGTGTATGGGATTTTCATCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001252097  
**Insert Size:** 387 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).  
**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001252097.1, NP_001239026.1</u>
<b>RefSeq Size:</b>	1165 bp
<b>RefSeq ORF:</b>	387 bp
<b>Locus ID:</b>	320204
<b>Cytogenetics:</b>	6 G3
<b>Gene Summary:</b>	<p>Protein-lysine methyltransferase that selectively trimethylates the flavoprotein ETFB in mitochondria. Thereby, may negatively regulate the function of ETFB in electron transfer from Acyl-CoA dehydrogenases.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.</p>