

Product datasheet for **MC226601**

Etfbkmt (NM_001252096) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Etfbkmt (NM_001252096) 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: >MC226601 representing NM_001252096
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTTTCAGCCTGTGTTGAAAGCTCCCAGGAGCCCATGGAGTTTCCTGCAGGCTGTGAACAATGGGT
CTCCCTGTTTCTCTGGAGGACAGTGGGAGCTGTTTGGATCCTAAGATGAAAGCCTACCTGGAAGAGAA
CACTGAAGTCACCAGCAGTGGTAGCCTTACCCCGAAATCCAGTTACGGCTTTTAAACCCAGGTGCAAG
TTTTGGTGGGAAAGGGCTGACCTGTGGCCCTACAGTGATCCCTACTGGGCTATTTACTGGCCAGGAGGCC
AGGCTCTGTCTAGGTATCTTTTGGATAACCCTGCTGTTGTTAGAGGAAAGTCTGTCTTAGATCTTGGGAG
TGGATGTGGAGCTACAGCCATTGCTGCCAAGATGAGTGGAGCATCAAAGATCTTGGCCAACGACATAGAC
CCCATTGCAGGAATGGCGATTACACTAAATTGCAAATTAATGGACTGAATCCTTTTCTGTTTTAACTA
AAAACATTTTGAATACCCAACAAGGTAAGTTTGATCTCATTGTTCTTGGAGATATGTTTTATGATGAAGA
CCTTGCAGACAGTCTTCATCTGTGGCTGCAGAACTACTTTGGACCCATGGAACCCGAGTACTGATTGGT
GACCCCTGGGAGGCCCCAGTTCAGTGGACATAGCATTGGCATCACTGTACCAACTAGTAGAATACACAC
TTCCAGAGCCAACCTCAGCAAGAGAACAATGGACTGACCACAAGTGCTGTATGGGATTTTCATCCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001252096
Insert Size: 768 bp



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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.
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_001252096.1</u> , <u>NP_001239025.1</u>
RefSeq Size:	1597 bp
RefSeq ORF:	768 bp
Locus ID:	320204
UniProt ID:	<u>Q80ZM3</u>
Cytogenetics:	6 G3
Gene Summary:	<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 (3) differs in the 5' UTR compared to variant 1, and encodes the longer isoform (a). Variants 1-4 all encode isoform a.</p>