

Product datasheet for **MR227999**

Etfbkmt (NM_001252097) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Etfbkmt (NM_001252097) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Etfbkmt
Synonyms: 4833442J19Rik; A1256744; ETFB-KMT; Mettl20
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227999 representing NM_001252097
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTGGAGCATCAAAGATCTTGGCCAACGACATAGACCCCATTCAGGAATGGCGATTACACTAAATT
GCAAAATTAATGGACTGAATCCTTTTCCTGTTTTAACTAAAACATTTTGAATACCAACAAGGTAAGTT
TGATCTCATTGTTCTTGGAGATATGTTTTATGATGAAGACCTGCAGACAGTCTTCATCTGTGGCTGCAG
AACTACTTTTGGACCCATGGAACCCGAGTACTGATTGGTGACCCTGGGAGGCCCCAGTTCAGTGGACATA
GCATTCGGCATCAACTGTACCACTAGTAGAATACACACTTCCAGAGCCAACTCAGCAAGAGAACAATGG
ACTGACCACAAGTGTGTATGGGATTTTCATCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227999 representing NM_001252097
Red=Cloning site **Green**=Tags(s)

MSGASKILANDIDPIAGMAITLNCKLNGLNPPFVLTKNILNTQQGKFDLIVLGDMFYDEDLADSLHLWLQ
NYFWTHGTRVLIIGDPGRPQFSGHSIRHQLYQLVEYTLPEPTQQENGLTTSAVWDFHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001252097.1</u> , <u>NP_001239026.1</u>
RefSeq Size:	1165 bp
RefSeq ORF:	387 bp
Locus ID:	320204
Cytogenetics:	6 G3
MW:	14.9 kDa
Gene Summary:	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]