

Product datasheet for **RR210605**

Etfbkmt (NM_198772) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Etfbkmt (NM_198772) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Etfbkmt
Synonyms: ETFB-KMT; Mettl20
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210605 representing NM_198772
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCTTTCAGCCTGTGCTGAAAGCTCCAGGAGCCAATGGAGTTTTCTGCAGGCTCTGAACAGTGGGT
 TTCCTCTCTTCCCTGGAGGACAGTGGGAGCTGTTGGATCTTAAGATGAAAGCCTACCTGGAGGAGAA
 CACTGAAGTCACCAGCAGTGGCAGCCTTACCCCTGAAATCCAGTTACGGCTTTAAACCCAGGTGCAAG
 TTTTGGTGGGAAAGGGCTGACCTGTGGCCCTACAGTGATCCCTACTGGGCTATCTACTGGCCAGGAGGCC
 AGGCTCTGTCTAGGTATCTTTTGGATAACCCCTGATGTTGTTAGAGGAAAGTCTGTCTTAGATCTTGGGAG
 TGGATGTGGAGCTACAGCCATCGCTGCTAAGATGAGTGGAGCGTCGAACATCTTGGCCAACGACGTAGAC
 CCCATTGCAGGAATGGCGATTACACTAAATTGCAAACTAAATGGACTGAATCCTTTTCTATTTTAAACCA
 AAAACATTTTGAATACCCGACAAGGTAAGTTTGATCTCATTGTTCTTGGAGATATGTTTTATGATGAAGA
 CCTTGCAGACAGTCTTCACTTGTGGCTGCAAACTGCTTTTGGCCTATGGAACCTCGAGTACTGATTGGT
 GACCCTGGGAGGCCCCAGTTCAGTGGACACAGCATTGAGCATCACTGTACCAACTAGCAGAATACACAC
 TTCCAGAGCCAACCCAGCAAGATAACAATGGACTGACCACAAGTGCAGTATGGGATTTTCATCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210605 representing NM_198772
Red=Cloning site Green=Tags(s)

MAFSLCWKAPRSQWSFLQALNSGFPLFPWRTVGSLDLKMKAYLEENTEVTS SSGSLTPEIQLRLLTPRCK
 FWWERADLWPYSDPYWAIYWPGGQALSRYLNDNPVVRGKSVLDLGGSGGATAIAAKMSGASNILANDVD
 PIAGMAITLNCKLNLPFPILTKNILNTRQGKFDLIVLGMFYDEDLADSLHLWLQNCFWAYGTRVLIG
 DPGRPQFSGHSIQHLYQLAEYTLPEPTQDNNGLTTS AVWDFHP

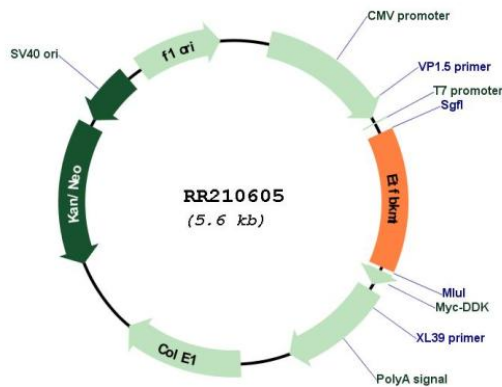
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198772
ORF Size: 765 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	NM_198772.1 , NP_942067.1
RefSeq Size:	1632 bp
RefSeq ORF:	768 bp
Locus ID:	316976
UniProt ID:	Q6P7Q0
Cytogenetics:	4q44
MW:	28.6 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 to the main respiratory chain.[UniProtKB/Swiss-Prot Function]