

Product datasheet for **RG208154**

ETFBKMT (NM_173802) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ETFBKMT (NM_173802) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ETFBKMT
Synonyms:	C12orf72; ETFB-KMT; METTL20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208154 representing NM_173802 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTTGAGTCTAGGTTGAAAGCACACAGGAACCACTGTGGTCTCCTCTTGCAGGCTCTGCGAAGCA
GTGGTCTTCTCTGTTTCCCTGTGGCCAGTGTCCCTGGAGAGGAGCTGGAAGCTTTTTGGACCCTGAGAT
AAAGGCTTTCCTGGAGGAGAACAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
CTTTTACCCCCAGATGCAAATCTGGTGGGAGAGAGCTGACCTGTGGCCCCACAGTGATCCTTACTGGG
CAATCTACTGGCCAGGAGGCCAAGCCCTGTCTAGGTATCTTTGGATAATCCTGATGTTGTCAGAGGAAA
ATCTGTATTAGATCTTGGGAGTGGATGTGGAGCTACAGCTATTGCTGCTAAGATGAGTGGGGCATCAAGG
ATCTTGGCCAATGACATAGACCCTATTGCAAGAAATGGCTATTACACTAAATTGTGAATTGAACAGACTGA
ATCCTTTTCTATTTTAAATCCAAAACATTTTGAATTTGGAACAAGATAAGTGGGACCTTGTGTTCTTGG
CGATATGTTTTATGATGAAGACCTTGCAGATAGTCTTCACTAGTGGCTGAAGAAGTGTCTTGGACCTAT
AGAAGTGGTACTGATTGGTACCCTGGGCGGCCAGTTCAGTGGACACAGCATTGAGCATCACCTGC
ACAAAGTGGTAGAATATCACTTTGGAGTCTACTAGGCAGGAAAACAGTGGACTGACAACAAGCACAGT
GTGGGGTTTTTCAGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG208154 representing NM_173802
 Red=Cloning site Green=Tags(s)

MALSLGWKAHRNHCGLLLQALRSSGLLLFPCGQCPWRGAGSFLDPEIKAFLEENTEVTSSGSLTPEIQLR
 LLTPRCKFWWERADLWPHSDPYWAIYWPGGQALSRYLNDNPVVRGKSVLDLGS GCGATAIAAKMSGASR
 ILANDIDPIAGMAITLNCELNRLNPFPI LIQNILNLEQDKWDLVVLGDMFYEDLADSLHQWLKCKFWTY
 RTRVLIGDPGRPQFSGHSIQHHLHKVVEYSLLESTRQENSGLTSTVWGFQP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173802

ORF Size: 786 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:

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_173802.4](#)

RefSeq Size: 2078 bp

RefSeq ORF: 789 bp

Locus ID: 254013

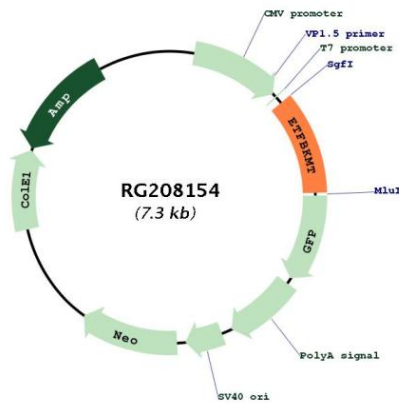
UniProt ID: [Q8IXQ9](#)

Cytogenetics: 12p11.21

Protein Families: Druggable Genome

Gene Summary: Protein-lysine methyltransferase that selectively trimethylates the flavoprotein ETFB in mitochondria (PubMed:25023281, PubMed:25416781). Thereby, may negatively regulate the function of ETFB in electron transfer from Acyl-CoA dehydrogenases to the main respiratory chain (PubMed:25416781).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208154