

Product datasheet for **SC324864**

ETFBKMT (NM_001135863) Human Untagged Clone

Product data:

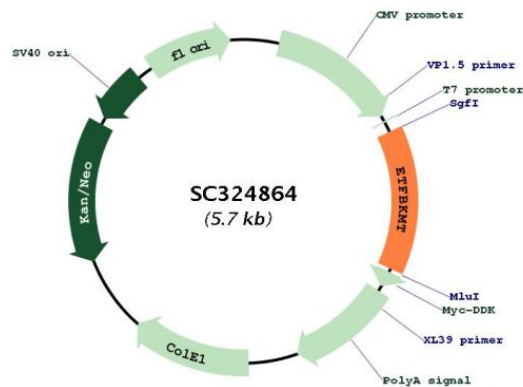
Product Type:	Expression Plasmids
Product Name:	ETFBKMT (NM_001135863) Human Untagged Clone
Tag:	Tag Free
Symbol:	ETFBKMT
Synonyms:	C12orf72; ETFB-KMT; METTL20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324864 representing NM_001135863. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTTGAGTCTAGGTTGAAAGCACACAGGAACCACTGTGGTCTCCTCTTGCAGGCTCTGCGAAGC
AGTGGTCTTCTCTGTTCCCTGTGGCCAGTGTCCCTGGAGAGGAGCTGGAAGCTTTTGGACCCTGAG
ATAAAGGCTTTCCTGGAGGAGAACACTGAAGTCACCAGCAGTGGTAGCCTCACCCCTGAAATCCAGTTG
CGGCTTTGACCCCGAGATGCAAATCTGGTGGGAGAGAGCTGACCTGTGGCCCCACAGTGATCCTTAC
TGGGCAATCTACTGGCCAGGAGGCCAAGCCCTGTCTAGGTATCTTTGGATAATCCTGATGTTGTCAGA
GGAAAATCTGTATTAGATCTTGGGAGTGGATGTGGAGCTACAGCTATTGCTGCTAAGATGAGTGGGGCA
TCAAGGATCTTGGCCAATGACATAGACCCTATTGCAGGAATGGCTATTACACTAAATTGTGAATTGAAC
AGACTGAATCCTTTTCTATTTAATCCAAAACATTTTGAATTTGGAACAAGATAAGTGGGACCTTGT
GTTCTTGGCGATATGTTTATGATGAAGACCTTGCAGATAGTCTTCATCAGTGGCTGAAGAAGTGCCTC
TGGACCTATAGAACTCGAGTACTGATTGGTGGCCCTGGGCGGCCCGATTGAGTGGACACAGCATTGAG
CATCACCTGCACAAAGTGGTAGAATATTCATTTTGGAGTCTACTAGGCAGGAAAACAGTGGACTGACA
ACAAGCACAGTGTGGGTTTTTCAGCCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001135863

Insert Size: 789 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001135863.1](#)

RefSeq Size: 2122 bp

RefSeq ORF: 789 bp

Locus ID: 254013

UniProt ID: [Q8IXQ9](#)

Cytogenetics: 12p11.21

Protein Families: Druggable Genome

MW: 29.5 kDa

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]
Transcript Variant: This variant (2) uses a different segment for its 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.