

Product datasheet for MR200705

4833442J19Rik (BC046911) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 4833442J19Rik (BC046911) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: 4833442J19Rik
Synonyms: 4833442J19Rik; A1256744; ETFB-KMT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200705 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGGAGCATCAAAGATCTTGGCCAACGACATAGACCCCATTCAGGAATGGCGATTACACTAAATT
 GCAAATTAATGGACTGAATCCTTTTCTGTTTTAACTAAAAACATTTGAATACCAACAAGGTAAGTT
 TGATCTCATTGTTCTTGGAGATATGTTTTATGATGAAGACCTTCAGACAGTCTTCATCTGTGGCTGCAG
 AACTACTTTTGGACCCATGGAACCCGAGTACTGATTGGTGACCCTGGGAGGCCCCAGTTCAGTGGACATA
 GCATTCGGCATCAACTGTACCACTAGTAGAATACACACTTCAGAGCCAACCTCAGCAAGAGAACAATGG
 ACTGACCACAAGTGTATGGGATTTTCATCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200705 protein sequence
 Red=Cloning site Green=Tags(s)
 MSGASKILANDIDPIAGMAITLNCKLNGLNPFVLTKNILNTQQGKFDLIVLGD MFYDEDLADSLHLWLQ
 NYFWTHGRVLIIGDPGRPQFSGHSIRHQLYQLVEYTLPEPTQQENGLTTSAVWDFHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC046911

ORF Size: 384 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: [BC046911](#), [AAH46911](#)

RefSeq Size: 1104 bp

RefSeq ORF: 386 bp

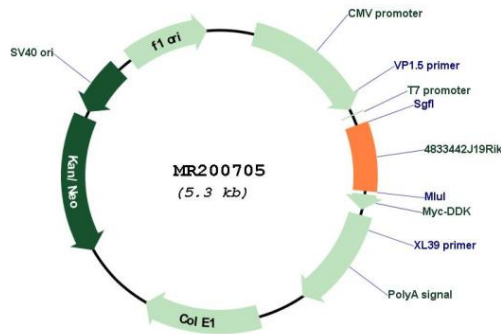
Locus ID: 320204

Cytogenetics: 6 G3

MW: 14.4 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]

Product images:



Circular map for MR200705