

## Product datasheet for **MG200705**

### 4833442J19Rik (BC046911) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 4833442J19Rik (BC046911) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** 4833442J19Rik  
**Synonyms:** 4833442J19Rik; A1256744; ETFB-KMT  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG200705 representing BC046911  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGGAGCATCAAAGATCTTGGCCAACGACATAGACCCCATTCAGGAATGGCGATTACACTAAATT  
GCAAATTAATGGACTGAATCCTTTTCTGTTTAACTAAAAACATTTTGAATACCAACAAGGTAAGTT  
TGATCTCATTGTTCTTGGAGATATGTTTATGATGAAGACCTGCAGACAGTCTTCATCTGTGGCTGCAG  
AACTACTTTTGGACCCATGGAACCCGAGTACTGATTGGTGACCCTGGGAGGCCCCAGTTCAGTGGACATA  
GCATTCGGCATCAACTGTACCACTAGTAGAATACACACTTCCAGAGCCAACCTCAGCAAGAGAACAATGG  
ACTGACCACAAGTCTGTATGGGATTTTCATCCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200705 representing BC046911  
Red=Cloning site Green=Tags(s)  
MSGASKILANDIDPIAGMAITLNCKLNGLNPFVLTKNILNTQQKFDLIVLGDMFYDEDLADSLHLWLQ  
NYFWTHGTRVLIGDPGRPQFSGHSIRHQLYQLVEYTLPEPTQENGLTTSVWDFHP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC046911</a> , <a href="#">AAH46911</a>
<b>RefSeq Size:</b>	1104 bp
<b>RefSeq ORF:</b>	386 bp
<b>Locus ID:</b>	320204
<b>Cytogenetics:</b>	6 G3
<b>Gene Summary:</b>	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]