

Product datasheet for **MG200411**

Mpc1 (NM_018819) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpc1 (NM_018819) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mpc1
Synonyms: 0610006G08Rik; 3830411118Rik; Brp44l
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200411 representing NM_018819
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGGAGCGCTGGTGCCAAAGCGGCGGACTATGTCCGGAGCAAGGACTTCCGGGACTATCTCATGA
 GTACGCACTTCTGGGGCCAGTTGCCAACTGGGGTCTCCCCATTGCTGCTATCAATGACATGAAGAAATC
 TCCAGAGATTATCAGTGGGCGGATGACTTTCGCCCTCTGTTGCTATTCTCTGACATTCATGAGATTTGCC
 TACAAGGTACAACCTCGAACTGGCTTTTGTTCATGCCATGTAACAAACGAAGTAGCTCAGCTCATT
 AGGGAGGACGACTTATCAACTACGAGATGAGTAAGCGGCCATCTGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200411 representing NM_018819
 Red=Cloning site Green=Tags(s)
 MAGALVRKAADYVRSKDFRDYLMSTHFWGPVANWGLPIAAINDMKKSPEIISGRMTFALCCYSLTFMRFA
 YKVQPRNWLLFACHVTNEVAQLIQGRLINYEMSKRPSA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_018819

ORF Size: 327 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.

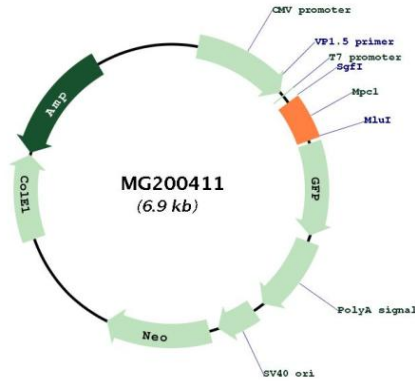
RefSeq: [NM_018819.5](#)

RefSeq Size: 908 bp

RefSeq ORF: 330 bp

Locus ID: 55951
 UniProt ID: [P63030](#)
 Cytogenetics: 17 4.92 cM
 Gene Summary: Mediates the uptake of pyruvate into mitochondria.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200411