

Product datasheet for **MC201794**

Mpc1 (NM_018819) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpc1 (NM_018819) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mpc1
Synonyms: 0610006G08Rik; 3830411118Rik; Brp44l
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024365 sequence for NM_018819
 CATCTGTCTAGGTAGCGGCTTCACCGCCAACGCCACGGCCATGGCTGGAGCGCTGGTGCGCAAAGCGGGCG
 GACTATGTCCGGAGCAAGGACTTCGGGACTATCTCATGAGTACGCACTTCTGGGGCCAGTTGCCAACT
 GGGGTCTCCCCATTGCTGCTATCAATGACATGAAGAAATCTCCAGAGATTATCAGTGGGCGGATGACTTT
 CGCCCTCTGTTGCTATTCTCTGACATTCATGAGATTTGCCTACAAGGTACAACCTCGAAACTGGCTTTTG
 TTTGCATGCCATGTAACAAACGAAGTAGCTCAGCTCATTGAGGGAGGACGACTTATCAACTACGAGATGA
 GTAAGCGGCCATCTGCATAGCAGTACAAGGACCAGCTCTTGAAAGAGACAGTGTCCAGCCACTGCTGCA
 GCCACAGATCATGTCAGCATGAGTAGTCGTGCTGAAGGGAAAACACAGAATGCTATCTTAATGACCATGC
 CAACATTATTGAATAGCCGAGAGTCCCTAAACCCACTCTCTGCTGCCTTATCAATGCTAAACCTTATTTG
 TCTTCATCAAGAGTAGTTCAAAATATGCAACTAATTTAATAATTTTGAATGATGGTTTTATCTATAGCAA
 TCTGTAGTAATATGTATATTATCTATTGGGATTTGTGTAATAAAAAATCTAAGGGAACAAAATTTTATAA
 CTACAAGCAA

Restriction Sites: RsrII-NotI

ACCN: NM_018819

Insert Size: 330 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).

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).



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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: [BC024365](#), [AAH24365](#)

RefSeq Size: 742 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]