

Product datasheet for **RN212577**

Mpc1 (NM_133561) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpc1 (NM_133561) Rat Untagged Clone
Tag: Tag Free
Symbol: Mpc1
Synonyms: Brp44l; SLC54A1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212577 representing NM_133561
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGGAGCTCTGGTGCCAAAGCAGCGGACTATGTCCGGAGCAAGGACTTCCGGGACTATCTCATGA
GTACGCACTTCTGGGGCCAGTTGCCAACTGGGGTCTCCCATTTGCTGCTATCAATGACATGAAGAAATC
TCCAGAGATTATCAGTGGGCGGATGACTTTCGCCCTCTGTTGCTATTCTCTGACATTCATGAGATTTGCC
TACAAGGTACAACCCGAACTGGCTTCTGTTTTCGCTGCCATGTGACAAACGAAGTCGCTCAGCTCATT
AGGGAGGACGACTTATCAACTACGAGATGAGTAAGCGGCCATCTGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133561

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).



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_133561.1](#), [NP_598245.1](#)

RefSeq Size: 901 bp

RefSeq ORF: 330 bp

Locus ID: 171087

UniProt ID: [P63031](#)

Cytogenetics: 1q12

Gene Summary: may be involved in apoptosis of neuronal cells [RGD, Feb 2006]