

Product datasheet for RR212577

Mpc1 (NM_133561) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Mpc1 (NM_133561) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Mpc1

Synonyms: Brp44l; SLC54A1

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >RR212577 representing NM_133561

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCTGGAGCTCTGGTGCGCAAAGCAGCGGACTATGTCCGGAGCAAGGACTTCCGGGACTATCTCATGA GTACGCACTTCTGGGGCCCAGTTGCCAACTGGGGTCTCCCCATTGCTGCTATCAATGACATGAAGAAATC TCCAGAGATTATCAGTGGGCGGATGACTTTCGCCCTCTGTTGCTATTCTCTGACATTCATGAGATTTGCC TACAAGGTACAACCCCGAAACTGGCTTCTGTTTGCGTGCCATGTGACAAACGAAGTCGCTCAGCTCATTC

AGGGAGGACGACTTATCAACTACGAGATGAGTAAGCGGCCATCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212577 representing NM_133561

Red=Cloning site Green=Tags(s)

MAGALVRKAADYVRSKDFRDYLMSTHFWGPVANWGLPIAAINDMKKSPEIISGRMTFALCCYSLTFMRFA

YKVQPRNWLLFACHVTNEVAQLIQGGRLINYEMSKRPSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

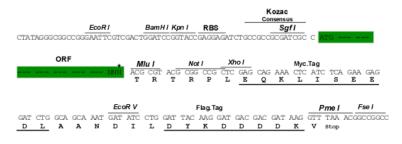
CN: techsupport@origene.cn

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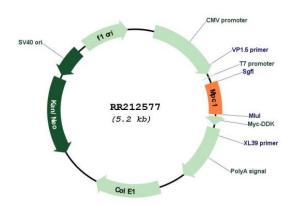
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_133561

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

ORÏGENE

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: <u>NM 133561.1</u>, <u>NP 598245.1</u>

 RefSeq Size:
 901 bp

 RefSeq ORF:
 330 bp

 Locus ID:
 171087

 UniProt ID:
 P63031

 Cytogenetics:
 1q12

 MW:
 12.5 kDa

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