

Product datasheet for MR201056

Mcpt4 (BC026198) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Mcpt4 (BC026198) Mouse Tagged ORF Clone

Tag: Myc-DDK Symbol: Mcpt4

Synonyms: MMCP-4, MMCP-4A, MMCP-4B

Mammalian Cell Neomycin

Selection:

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

ORF Nucleotide >MR201056 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGCAGGCCCTACTATTCCTTATGGCACTTCTCTTGCCTTCTGGGGCTGGAGGCTGAGGAGATTATTGGTG
GTGTTGAGTCTAGACCACATTCTCGCCCTTACATGGCCCATCTGGAGATCACCACTGAGAGAGGGTTCAC
AGCTACCTGTGGTGGGTTTCTCATAACCCGCCAATTTGTGTTGACTGCTGCACACTGTAGTGGAAGAGAA
ATCACTGTCACCCTTGGAGCTCATGATGTGAGCAAGACAGAATCCACACAGCAGAAGATAAAAGTAGAAA
AACAAATCGTTCACCCAAAGTACAACTTCTATTCCAATCTCCATGACATCATGTTGCTGAAGCTTCAAAA
GAAAGCCAAAGAGACTCCCTCTGTGAATGTAATTCCTCTGCCTCGTCCTTCTGACTTTATCAAGCCGGGG
AAGATGTGCCAGCCTGCCCCCAAGATGATC

 ${\color{red} \textbf{ACGCGT}} \textbf{ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT}$

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201056 protein sequence

Red=Cloning site Green=Tags(s)

MQALLFLMALLLPSGAGAEEIIGGVESRPHSRPYMAHLEITTERGFTATCGGFLITRQFVLTAAHCSGREITVTLGAHDVSKTESTQQKIKVEKQIVHPKYNFYSNLHDIMLLKLQKKAKETPSVNVIPLPRPSDFIKPG

KMCQPAPKMI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



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

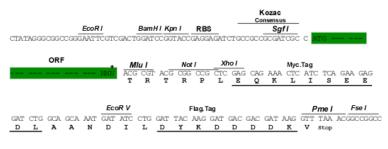
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Cloning Scheme:





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

ACCN: BC026198 **ORF Size:** 450 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: BC026198, AAH26198

RefSeq Size: 554 bp
RefSeq ORF: 452 bp
Locus ID: 17227



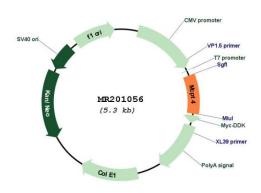
Cytogenetics: 14 28.19 cM MW: 16.6 kDa

Gene Summary: Has chymotrypsin-like activity. Hydrolyzes the amide bonds of synthetic substrates having Tyr

and Phe residues at the P1 position. Preferentially hydrolyzes the 'Tyr-4-|-Ile-5' bond of angiotensin I and the 'Phe-20-|-Ala-21' bond of amyloid beta-protein, and is less active towards the 'Phe-8-|-His-9' bond of angiotensin I and the 'Phe-4-|-Ala-5' and 'Tyr-10-|-Glu-11' bonds of amyloid beta-protein. Involved in thrombin regulation and fibronectin processing.

[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201056