

Product datasheet for **MC206432**

Mme (BC034092) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mme (BC034092) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mme
Synonyms: NEP, CD10, CALLA, 6030454K05Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC034092
 GTGACCGAGAGCAGCGCTGCCAAATTGCACCGGGGTTCAATTTGGGGGCTGGGAATTGGCCATTCCGCTGT
 ACAGACACTGTTTTATTTTAAAAACAAGATTTAGGTGATGGGAAGATCAGAAAGTCAGATGGATATA
 ACTGATATCAATGCTCCAAGCCAAAGAAGAAACAGCGATGGACTCCCCTGGAGATCAGCCTCTCTGTGC
 TTGTCTTGCTCCTGACTATCATAGCGGTGACAATGATCGCTCTCTATGCAACCTATGATGATGGCATTGT
 CAAATCATCAGACTGCATAAAATCAGCTGCTCGACTGATTGAGAAATGGATGCCTCTGTTGAGCCATGT
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 CTCAGGCCGAAATCAGATAGTCTTCCCCGCTGGCATTTCAGCAGCCCATTTCTTCACTGCTCAGCAATCC



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AACTCATTGAACTATGGGGGCATCGGCATGGTCATTGGACATGAAATCACACATGGATTTGATGACAATG
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TAAATTGACGTTGTGAGCCCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:

RsrII-NotI

ACCN:

BC034092

Insert Size:

2253 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC034092](#), [AAH34092](#)

RefSeq Size: 3623 bp

RefSeq ORF: 2253 bp

Locus ID: 17380

Cytogenetics: 3 29.97 cM

Gene Summary: Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids. Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond. Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9. Involved in the degradation of atrial natriuretic factor (ANF) (By similarity). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573).[UniProtKB/Swiss-Prot Function]