

Product datasheet for **MC207146**

Nme5 (BC049625) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nme5 (BC049625) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nme5
Synonyms: 1700019D05Rik; Nm23-M5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC049625
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGTATCAATGCCCTGCCTCAGATATATGTAGAAAAACCCTAGCCCTTATCAAGCCAGATGTTG
TTGACAAAGAAGAGGAGATACAGGATATTATTCTGGGATCTGGATCACCATTATTCAGAGACGGAACT
ACACCTGAGCCCCGAGCACTGTAGTAACTTTTATGTGGAGCAGTATGGGAAAATGTTTTCCAACTTA
ACAGCTTATATGAGCTCTGGACCTCTTGTGCTATGATATTAGCTAGACATAAGGCCATCTCTACTGGA
AAGAACTTATGGACCAAGTAACAGTTTAGTAGCCAAGGAGACACACCCGGACAGTGATTATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: BC049625
Insert Size: 345 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: [BC049625](#), [AAH49625](#)

RefSeq Size: 897 bp

RefSeq ORF: 344 bp

Locus ID: 75533

Cytogenetics: 18 B1

Gene Summary: Does not seem to have NDK kinase activity. Confers protection from cell death by Bax and alters the cellular levels of several antioxidant enzymes including Gpx5. May play a role in spermiogenesis by increasing the ability of late-stage spermatids to eliminate reactive oxygen species.[UniProtKB/Swiss-Prot Function]