

Product datasheet for MC211653

Nme5 (NM_080637) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nme5 (NM_080637) 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: >MC211653 representing NM_080637
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGGTATCAATGCCCTGCCTCAGATATATGTAGAAAAACCCTAGCCCTTATCAAGCCAGATGTTG
 TTGACAAAGAAGAGGAGATACAGGATATTATTCTGGGATCTGGATTACCATTATTCAGAGACGGAACT
 ACACCTGAGCCCCGAGCACTGTAGTAACTTTTATGTGGAGCAGTATGGGAAAATGTTTTCCAACTTA
 ACAGCTTATATGAGCTCTGGACCTCTTGTGCTATGATATTAGCTAGACATAAGGCCATCTCCTACTGGA
 AAGAACTTATGGACCAAGTAACAGTTTGTAGCAAGGAGACACACCCGGACAGCTTAAGGGCGATATA
 CGGTACAGACGAGCTCAGGAACGCACTTCATGGGAGCAATGACTTCGCTGCCTCAGAGCGAGAGATCAGG
 TTCATGTTTTCCAGCCGTGATTATTGAACCCATTCCAATTGGACAAGCCGCTAAGGACTACATAAACTTGT
 ACGTAGCGCAACCCTACTTCAAGGACTCACAGAGCTTTGTAAGGAAAAGCCACCAGACCCTTACCTCTG
 GCTCGCTGATTGGCTGATGAAAAATAATCCCAACAAACCTAACTTTGTCATTTCCAGTGACAGAAGAG
 CCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_080637
Insert Size: 636 bp



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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:	<ol style="list-style-type: none">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_080637.3 , NP_542368.2
RefSeq Size:	829 bp
RefSeq ORF:	636 bp
Locus ID:	75533
UniProt ID:	Q99MH5
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]