

## Product datasheet for MR217729

### Nme6 (NM\_018757) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nme6 (NM\_018757) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nme6  
**Synonyms:** nm23-M6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR217729 representing NM\_018757  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACCTCCATCTTGCGAAGTCCCAAGCTCTTCAGCTCACACTAGCCCTGATCAAGCCTGATGCAGTTG  
 CCCACCCACTGATCCTGGAGGCTGTTTCATCAGCAGATTCTGAGCAACAAGTTCTCATTGTACGAACGAG  
 GGAAGTGCAGTGAAGCTGGAGGACTGCCGAGGTTTTACCGAGAGCATGAAGGGCGTTTTTCTATCAG  
 CGGCTGGTGGAGTTCATGACAAGTGGGCAATCCGAGCCTATATCCTTGCCACAAGATGCCATCCAAC  
 TTTGGAGGACACTGATGGGACCCACCAGAGTATTCGAGCAGCTATATAGCCCCAGATTCAATTCTGTGG  
 AAGTTTGGGCCTCACTGACACCCGAAATACTACCCATGGCTCAGACTCCGTGGTTTCCGCCAGCAGAGAG  
 ATTGCAGCCTTCTCCCTGACTTCAGTGAACAGCGCTGGTATGAGGAGGAGGAACCCAGCTGCGGTGTG  
 GTCCTGTGCACTACAGTCCAGAGGAAGGTATCCACTGTGAGCTGAAACAGGAGGCCACAAAACACCTAA  
 CAAAACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR217729 representing NM\_018757  
 Red=Cloning site Green=Tags(s)

MTSILRSPQALQLTLALIKPDAVAHPLILEAVHQIILSNKFLIVRTRELQWKLEDCRRFYREHEGRFFYQ  
 RLVEFMTSGPIRAYILAHKDAIQLWRTLMGPTRVFRARYIAPDSIRGSLGLTDTRNTTHGSDSVVSASRE  
 IAFFPDFSEQRWYEEEEPQLRCPVHYSPEEGIHCAAETGGHKQPNKT

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



Chromatograms: [https://cdn.origene.com/chromatograms/mm9059\\_a10.zip](https://cdn.origene.com/chromatograms/mm9059_a10.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_018757

ORF Size: 567 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.

RefSeq: [NM\\_018757.1](#), [NP\\_061227.1](#)

RefSeq Size: 1025 bp

RefSeq ORF: 570 bp

Locus ID: 54369

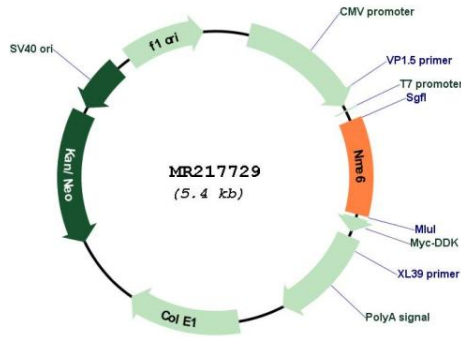
UniProt ID: [O88425](#)

Cytogenetics: 9 F2

MW: 21.8 kDa

Gene Summary: Major role in the synthesis of nucleoside triphosphates other than ATP. The ATP gamma phosphate is transferred to the NDP beta phosphate via a ping-pong mechanism, using a phosphorylated active-site intermediate.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR217729