

## Product datasheet for **RR202862**

### **Nme1 (NM\_138548) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nme1 (NM\_138548) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nme1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR202862 representing NM\_138548  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCCAACAGCGAGCGTACCTTCATCGCCATCAAGCCTGATGGGGTCCAGCGGGGGCTTGTGGGAGAGA  
TCATCAAGCGATTTCGAGCAGAAGGGATTCCGCCTGGTTGGTTTGAATTTATACAGGCTTCAGAGGATCT  
TCTCAAGGAGCACTACATTGACCTGAAGGACCGCCCTTCTTTCTGGCCTGGTGAAGTACATGCACTCA  
GGACCGGTGGTTGCTATGGTCTGGGAGGGACTGAATGTTGTGAAGACAGCGCGGGTATGCTTGGAGAGA  
CCAACCCCGCAGACTCTAAGCCTGGGACCATACGAGGAGACTTTTGCATTCAAGTTGGCAGGAACATCAT  
TCATGGCAGCGATTCTGTGGAGAGTGGGAGAAGGAGATCAGTTTGTGGTTTCAGCCTGAGGAGCTGGT  
GACTACAAGAGCTGTGCGCAGAAGTGGATCTATGAG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR202862 representing NM\_138548  
**Red=Cloning site Green=Tags(s)**

MANSERTFIAIKPDGVQRGLVGEIIKRFEQKGFRLVGLKFIQASEDLLKEHYIDLKDRPFFSGLVKYMHS  
GPVVAMVWEGLNVVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGSDSVESAEKEISLWFQPEELV  
DYKSCAQNWIYE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

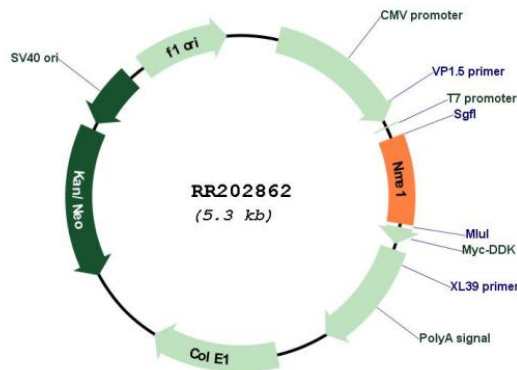


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Cloning Scheme:



Plasmid Map:



ACCN:

NM\_138548

ORF Size:

456 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_138548.2</a></u> , <u><a href="#">NP_612557.1</a></u>
<b>RefSeq Size:</b>	736 bp
<b>RefSeq ORF:</b>	459 bp
<b>Locus ID:</b>	191575
<b>UniProt ID:</b>	<u><a href="#">Q05982</a></u>
<b>Cytogenetics:</b>	10q26
<b>MW:</b>	17.2 kDa
<b>Gene Summary:</b>	the A isoform of the nucleoside diphosphate kinase; plays a role in nucleotide triphosphate metabolism [RGD, Feb 2006]