

## Product datasheet for **RN214132**

### NMS (NM\_001012233) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NMS (NM_001012233) Rat Untagged Clone
Tag:	Tag Free
Symbol:	NMS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214132 representing NM_001012233 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAACATCCGTTCCCTCAGTTCCTCCAATCCTGGTCATCTACTGCTTCTGTATGCTACAGATCCCCT  
CCTCAGGAGCTTCTCCACCTTTAGCTGGTCCTCTGATGGTTTGGATGCTGTGGACCCAGAGCGACTGGC  
ACACTTTCTGAACCAGAGGGAACATGTTCTAACCAACCTAAGGAAAGCCGGGATGTATACAAAAGGTTT  
TTATTTCTACTACTCCCGAGCTTGAAGTCGACACATCCAGTTAACTCCGAGTTTGCTCCCGTCCATCCAT  
TGATGCGCCTGGCCGCAAGCTTCCAGCAGAAGGATGAAAAGACTACCGGATTGCTGCACACAGATTC  
CAGGATGGCTACTATAGACTTCCCTAAGAAGGATCCTACCACGCTTGGGGCGGCCATTTTCTTTTC  
AGGCCTAGGAATGGAAGATACACTGACAAAGTCCAG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001012233
Insert Size:	459 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).


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<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>NM_001012233.1, NP_001012233.1</u>
<b>RefSeq Size:</b>	496 bp
<b>RefSeq ORF:</b>	459 bp
<b>Locus ID:</b>	497196
<b>UniProt ID:</b>	<u>Q5H8A2</u>
<b>Cytogenetics:</b>	9q22
<b>Gene Summary:</b>	Implicated in the regulation of circadian rhythms through autocrine and/or paracrine actions. Stimulates the contraction of rectum and elevation of blood pressure.[UniProtKB/Swiss-Prot Function]