

## Product datasheet for **MC209048**

### **Npm3 (NM\_008723) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Npm3 (NM\_008723) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Npm3  
**Synonyms:** Nub1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209048 representing NM\_008723  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCCGGCGCGGGCTGCTTTAGCGTTCTTGAACCAAGAGAGCCGAGCCCGAGCTGGGGCGTCC  
GGGGCCTGAGGGTCCCGCCCCGGTCACAAATGGACAGTTCTTCTTCGGTTGTGAGCTCTCCGGCCACAC  
CCGCTCCTTCAAGTTGAGGAGGAGGATGACACGAGCACGTGCTGGCGTTGAACATGCTGTGC  
TTACCGAGGGGGCCACGACGAGTGAATGTGGTGGAAGTTGTGGCCCGGGATCACGACAATCAGGAGA  
TTGCAGTTCCTGTGGCAACCTCAGTTGTCTTGCCAGCCATGCTCAGTGTGGATGATTTCCAACCTCCA  
ACCACCTGTACCTTCCGCCTGAAGTCCGGTCTGGCCAGTTCCGGATCACTGGCCGGCATCAGATCGTT  
TGTATAAACAACGACCTTCTGAAGAAGAAAGTGATGATGAGAGCGAAGAAGATGAAATTAAGCTGTGTG  
GCATCCTTCTGCCAAGAAGCACAGGGGCAGGCCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_008723  
**Insert Size:** 528 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><a href="#">NM_008723.1</a></u> , <u><a href="#">NP_032749.1</a></u>
<b>RefSeq Size:</b>	866 bp
<b>RefSeq ORF:</b>	528 bp
<b>Locus ID:</b>	18150
<b>UniProt ID:</b>	<u><a href="#">Q9CPP0</a></u>
<b>Cytogenetics:</b>	19 38.75 cM
<b>Gene Summary:</b>	Plays a role in the regulation of diverse cellular processes such as ribosome biogenesis, chromatin remodeling or protein chaperoning. Modulates the histone chaperone function and the RNA-binding activity of nucleolar phosphoprotein B23/NPM. Efficiently mediates chromatin remodeling when included in a pentamer containing NPM3 and NPM. [UniProtKB/Swiss-Prot Function]