

## Product datasheet for **MC225810**

### **Nmb (NM\_001291280) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nmb (NM\_001291280) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nmb  
**Synonyms:** 3110023K12Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225810 representing NM\_001291280  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACCCGGCAAGCAGGGAGCTCTGGCTCCTCCGTGGTCTCCTGCTCTTCGCATTGTTTCGCTTCCGGCG  
TCGCTCCCTTCAACTGGGATCTCCGGAGCCCCGAGCCGAGCAAGCAAGATTTCGAGTGCACCCTCGGGG  
CAACCTCTGGGCGACCGGTCACTTCATGGCAAGAAGAGCCTGGAACCCCGAGCCTGTCACTGGTGGGG  
ACAGCACCCCTAACACCCCGAGGGACCAGAGACTACAGCTGAGTCATGATCTGCTCAGGATCCTCCTGC  
GAAAGAAAGCTCTAGGCATGAACTTCAGTGGCCAGCTCCCCAATCCAGGAGGCTGCTGGAGCCACTAC  
TGCAGAAGTGATGCCAATAATGGAACAAACCGGATGCTGGGCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001291280

**Insert Size:** 396 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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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_001291280.1, NP_001278209.1</u>
<b>RefSeq Size:</b>	687 bp
<b>RefSeq ORF:</b>	396 bp
<b>Locus ID:</b>	68039
<b>Cytogenetics:</b>	7 D3
<b>Gene Summary:</b>	<p>This gene encodes a member of the neuromedin family of neuropeptides. The encoded protein is a precursor that is proteolytically processed to generate a biologically active neuropeptide that plays a role in satiety, reproduction and thermoregulation, as well as in stress, fear and other behavioral responses. This gene encodes distinct isoforms, some or all of which may undergo similar processing to generate the mature protein. [provided by RefSeq, Sep 2016]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>