

Product datasheet for **MR228021**

Nmb (NM_001291280) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nmb (NM_001291280) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nmb
Synonyms: 3110023K12Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228021 representing NM_001291280
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCCGGCAAGCAGGGAGCTCTGGCTCCTCCGTGGTCTCCTGCTCTTCGCATTGTTTCGCTTCCGGCG
TCGCTCCCTTCAACTGGGATCTCCCGGAGCCCCGAGCCGAGCAAGCAAGATTGAGTGCACCCTCGGGG
CAACCTCTGGGCGACCGTCACTTCATGGGCAAGAAGAGCCTGGAACCCCGAGCCTGCTACTGGTGGGG
ACAGCACCCCTAACACCCCGAGGGACCAGAGACTACAGCTGAGTCATGATCTGCTCAGGATCCTCTGC
GAAAGAAAGCTCTAGGCATGAACCTCAGTGGCCAGCTCCCCAATCCAGGAGGCTGCTGGAGCCACTAC
TGCAGAAGTGATGCCAATAATGGAACAAACCGGATGCTGGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228021 representing NM_001291280
Red=Cloning site **Green**=Tags(s)

MTRQAGSSWLLRGLLLFALFASGVAPFNWDLPEPRSRASKIRVHPRGNLWATGHFMGKKSLEPPSLSLVG
TAPPNTPRDQRLQLSHDLLRILLRKKALGMNFSGPAPPIQEAAGATTAEVMPIMEQTGCWA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

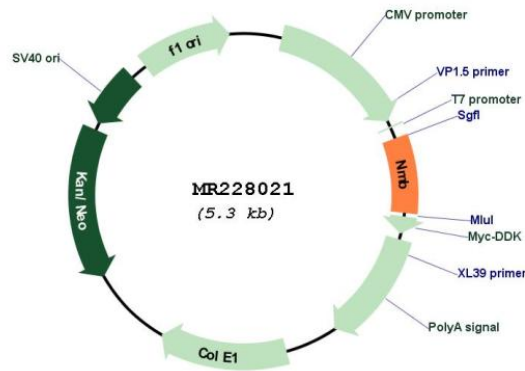


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001291280

ORF Size: 393 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:	<ol style="list-style-type: none">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:	<u>NM_001291280.1</u> , <u>NP_001278209.1</u>
RefSeq Size:	687 bp
RefSeq ORF:	396 bp
Locus ID:	68039
Cytogenetics:	7 D3
MW:	14.8 kDa
Gene Summary:	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]