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Product datasheet for MG200598

Nmb (NM_026523) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmb (NM_026523) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nmb
Synonyms:	3110023K12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

```
>MG200598 representing NM_026523
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCCGGCAAGCAGGGAGCTCTTGGCTCCTCCGTGGTCTCCTGCTCTTCGCATTGTTCGCTTCCGGCG
TCGCTCCCTTCAACTGGGATCTCCCGGAGCCCCGCAGCCGAGCAAGCAAGATTCGAGTGCACCCTCGGGG
CAACCTCTGGGCGACCGGTCACTTCATGGGCAAGAAGAGCCTGGAACCCCCGAGCCTGTCACTGGTGGGG
ACAGCACCCCCTAACACCCCGAGGGACCAGAGACTACAGCTGAGTCATGATCTGCTCAGGATCCTCCTGC
GAAAGAAAGCTCTAGGCATGAACTTCAGTGGCCCAGCTCCCCCAATCCAGTACAGGAGGCTGCTGGAGCC
ACTACTGCAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

Protein Sequence:

```
>MG200598 representing NM_026523
Red=Cloning site Green=Tags(s)

MTRQAGSSWLLRGLLLFALFASGVAPFNWDLPEPRSRASKIRVHPRGNLWATGHFMGKKSLEPPSLSLVG
TAPPNTPRDQRLQLSHDLLRILLRKKALGMNFSGPAPPIQYRRLLEPLLQK

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

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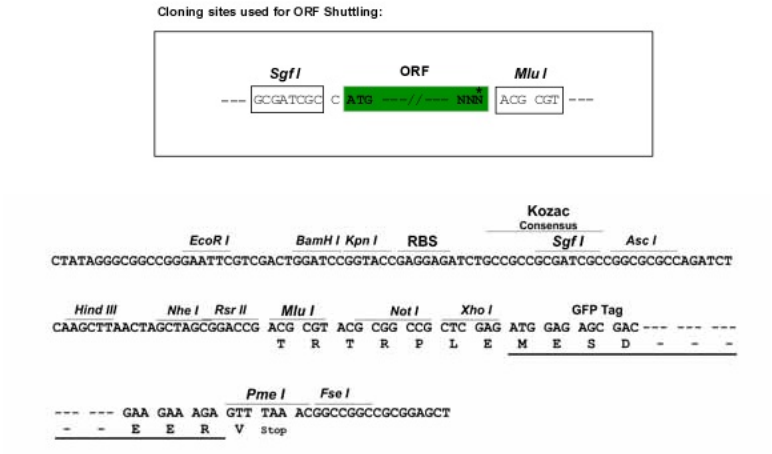
Cloning Scheme:



ACCN:	NM_026523
ORF Size:	363 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:	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:	NM_026523.4
RefSeq Size:	662 bp
RefSeq ORF:	366 bp

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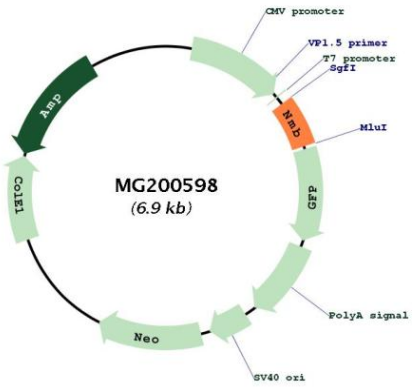
Locus ID:	68039
UniProt ID:	Q9CR53
Cytogenetics:	7 D3
Gene Summary:	This gene encodes a member of the neuromedin family of neuropeptides. The encoded protein is a precursor that is proteolytically processed to generate a biologically active neuropeptide that plays a role in satiety, reproduction and 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]

Product images:



Circular map for MG200598

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