

## Product datasheet for **MG223987**

### Nmbr (NM\_008703) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nmbr (NM_008703) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nmbr
Synonyms:	BB182387
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223987 representing NM_008703 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCCAGGTCTCTCCAACCTCTCTTTCCACAGAGGCGAATGAGAGCGAGCTGGTACCCGAGG  
TGTGGGAAAAGGATTTCTGCCGACTCAGATGGGACCACCGGGAGTTGGTGATCCGCTGTGTGATACC  
ATCCCTACCTAATCATCATCTCGGTGGGTTTGGTGGGCAACATCATGCTGGTGAAGATATTCCTCACC  
AACAGCGCCATGCGGAATGCCCTAACATCTTCATCTTAACCTGGCGGCTGGGACCTGCTGCTGCTGC  
TGACCTGCGTTCAGTGGACGCCTCCCGTACTTCTTTGATGAATGGGTGTTGCGCAAGCTGGGCTGCAA  
ACTCATCCCGCCATCCAGCTCACCTCGGTGGGGTTTCTGTGTTCACTCTCACTGCTCTCAGCGCTGAC  
AGGTACAGAGCTATCGTGAACCCATGGACATGCAGACGTCGGTGTGTTGCTGTGGACAGTTTGAAGG  
CAGTGGGCATCTGGGTGGTCTCTGTGTTGTTGGCGGTCCCTGAAGCTGTGTTTTCAGAAGTAGCACGCAT  
TGGTAGCTTGATAACAGCAGTTTACAGCATGCATACCCTACCCACAAACAGATGAGTTACATCCAAAAG  
ATTCATTAGTGCTCATTTTTCTGTCTATTTCCATACCCCTGTTATCATCAGCATTATTATTATC  
ATATTGCAAAGACTTTAATTAAGTGCACACAATCTTCTGGAGAATAACAATGAACATACCAAAAAGCA  
GATGGAGACACGAAACGCTGGCTAAGATTGTCTGGTCTTTGGGCTGCTTTGTCTTCTGCTGGTTT  
CCCAACCAGTCTCTACTTGTATAGGTCTTTCAACTACAAGAGATAGATCCTTCTCGGGCACATGA  
TGGTACCTTAGTGGCCGGGTTCTGAGTTTCAGCAATTCCTGTGCAATCCCTTTGCTCTTACCTGCT  
CAGCGAAAGCTTTAGGAAGCACTTCAACAGCCAGCTCTGTTGTGGCGGAAGTCCTATCCCGAGAGGTCC  
ACCAGCTACCTCCTCAGCTCGTCAGCAGTAAGAATGACTTCTTTGAAAAGCAATACAAAGAATGGTGA  
CCAATTCTGCTCTCAATGGACATAGCACAAAGCAAGAATAGCACTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223987 representing NM\_008703  
 Red=Cloning site Green=Tags(s)

MPPRSLSNLSFPTEANESELVPEVWEKDFLPDSGTTAELVIRCVIPSLYLIIISVGLLGNIMLVKIFLT  
 NSAMRNVNPIFISNLAAGDLLLLTLCVPVDASRYFFDEWVFGKLGCKLIPAIQLTSVGVSVFTLTALSAD  
 RYRAIVNPMQMOTSGVLLWTSKAVGIWVSVLLAVPEAVFSEVARIGSLDNSSFACIPYPQTDLHPK  
 IHSVLIFLVYFLIPLVIIISIIYYHIAKTLIKSAHNLPGEYNEHTKKQMETRKRRLAKIVLVFVGCFVFCWF  
 PNHVLYLYRSFNKYKIDPSLGHMIVTLVARVLSFSNSCVNPFALYLLSEFRKHFNSQLCCGRKSYERS  
 TSYLLSSSAVRMTSLKSNTKNVTVNSVLLNGHSTKQEIAL

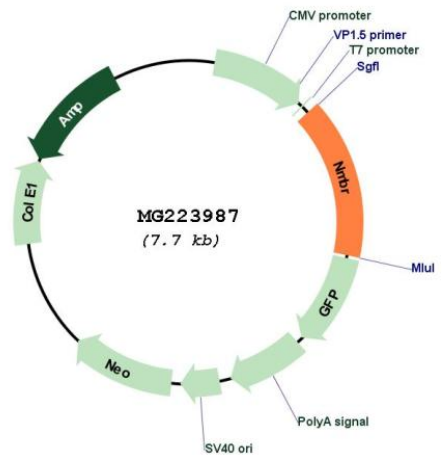
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_008703

<b>ORF Size:</b>	1170 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_008703.3</a>
<b>RefSeq Size:</b>	1173 bp
<b>RefSeq ORF:</b>	1173 bp
<b>Locus ID:</b>	18101
<b>UniProt ID:</b>	<a href="#">O54799</a>
<b>Cytogenetics:</b>	10 A2
<b>Gene Summary:</b>	Receptor for neuromedin-B.[UniProtKB/Swiss-Prot Function]