

Product datasheet for MR223987

Nmbr (NM_008703) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmbr (NM_008703) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nmbr
Synonyms:	BB182387
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223987 representing NM_008703 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCCAGGTCTCTCCAACCTCTCTTTCCACAGAGGCGAATGAGAGCGAGCTGGTACCCGAGG
TGTGGGAAAAGGATTTCTGCCGACTCAGATGGGACCACCGGGAGTTGGTGATCCGCTGTGTGATACC
ATCCCTACCTAATCATCATCTCGGTGGGTTTGTGGGCAACATCATGCTGGTGAAGATATTCCTCACC
AACAGCGCATGCGGAATGTCCCTAACATCTTCATCTCTAACCTGGCGGCTGGGACCTGCTGCTGCTGC
TGACCTGCGTTCAGTGGACGCCTCCCGTTACTTCTTTGATGAATGGGTGTTTCGGCAAGCTGGGCTGCAA
ACTCATCCCGCCATCCAGCTCACCTCGGTGGGGTTTCTGTGTTCACTCTCACTGCTCTCAGCGCTGAC
AGGTACAGAGCTATCGTGAACCCATGGACATGCAGACGTCGGTGTGTTGCTGTGGACAGTTTGAAGG
CAGTGGGCATCTGGGTGGTCTCTGTGTTGTTGGCGGTCCCTGAAGCTGTGTTTTCAGAAGTAGCACGCAT
TGGTAGCTTGATAACAGCAGTTTACAGCATGCATACCCTACCCACAAACAGATGAGTTACATCCAAAAG
ATTCATTAGTGCTATTTTTCTGTCTATTTCCCTACATCCCTTGTATCATCAGCATTATTATTATC
ATATTGCAAAGACTTTAATTAAGTGCACACAATCTTCTGGAGAATAACAATGAACATACCAAAAAGCA
GATGGAGACACGAAACGCTGGCTAAGATTGTCTGGTCTTTGGGCTGCTTTGTCTTCTGCTGGTTT
CCCAACCAGTCTCTACTTGTATAGGTCTTTCAACTACAAGGAGATAGATCCTTCTCGGGACATGA
TGGTACCTTAGTGGCCGGTTCTGAGTTTTCAGCAATTCCTGTGCAATCCCTTTGCTCTTTACCTGCT
CAGCGAAAGCTTTAGGAAGCACTTCAACAGCCAGCTCTGTTGTGGCGGAAGTCTATCCCGAGAGGTCC
ACCAGCTACCTCCTCAGCTCGTCAGCAGTAAGAATGACTTCTTTGAAAAGCAATACAAAGAATGGTGA
CCAATTCTGCTCTCAATGGACATAGCACAAAGCAAGAATAGCACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223987 representing NM_008703
 Red=Cloning site Green=Tags(s)

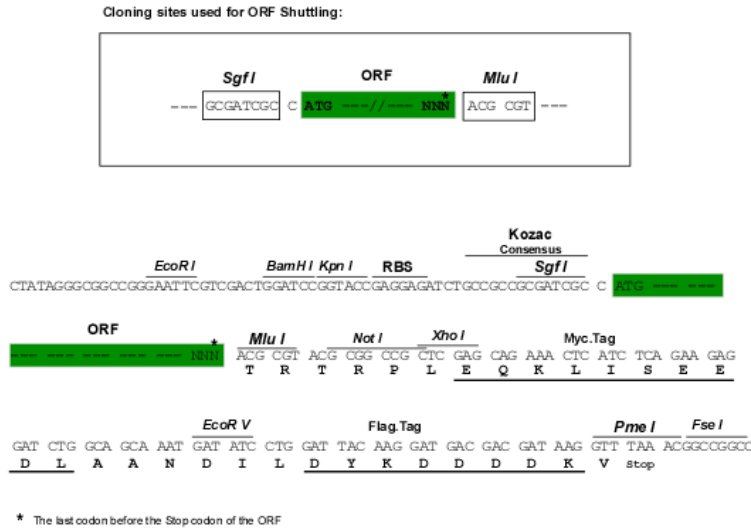
MPPRSLSNLSFPTANESELVPEVWEKDFLPDSGTTAELVIRCVIPSLYLIIISVGLLGNIMLVKIFLT
 NSAMRNVNPIFISNLAAGDLLLLTTCVPVDASRYFFDEWVFGKLGCKLIPAIQLTSVGVSVFTLTALSAD
 RYRAIVNPMQMOTSGVLLWTSKAVGIWVSVLLAVPEAVFSEVARIGSLDNSSFACIPYPQTDLHPK
 IHSVLIPLVYFLIPLVIIISIIYYHIAKTLIKSAHNLPGEYNEHTKKQMETRKRKLAIVLVFVGCVFVCFW
 PNHVLYLYRSFNYKEIDPSLGHMIVTLVARVLSFSNSCVNPFALYLLSEFRKHFNSQLCCGRKSYERS
 TSYLLSSAVRMTSLKSNTKNVVTNSVLLNGHSTKQEIAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_h05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



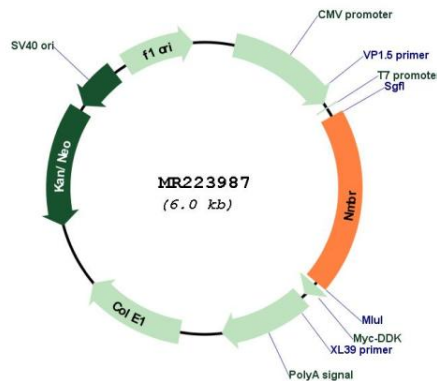
ACCN: NM_008703

ORF Size: 1170 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_008703.3</u>
RefSeq Size:	1173 bp
RefSeq ORF:	1173 bp
Locus ID:	18101
UniProt ID:	<u>O54799</u>
Cytogenetics:	10 A2
MW:	44.1 kDa
Gene Summary:	Receptor for neuromedin-B.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR223987