

Product datasheet for MR216511

Nmur1 (NM_010341) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmur1 (NM_010341) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nmur1
Synonyms:	FM-3; Gpr66; NmU-R; NMU-R1; NMU1R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216511 representing NM_010341 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

CTGGTCTGCAATATCAGTGAGTTCAGTGGCCCTATCAACCTGAGGATCTGAACCTTACCGATGAGGCC
TGAGGCTGAAGTATTTGGGGCCACAGCAGATGAAACAGTTGTCCCATCTGTGCACGTACCTGCTGAT
CTTCGTGGTGGGCACTCTGGGCAACGGGCTGACCTGCACCGTCATCCTGCGCAACAAGACTATGCGCAGC
CCCACCAACTTCTACCTTTCAGCCTCGCTGTGTCGGATATGCTGGTGCCTGGTGGGCTTGCCTCTGG
AGCTTTATGAGATGCAGCAAAATTACCCGTTCCAGCTGGGTGCGAGTGCCTGCTACTTCCGAATACTGCT
CTTAGAGACCGTCTGCCTAGCTTCAAGTGTCAATGTCACAGCCCTGAGTGTGGAGCGTTATGTGGCCGTG
GTGCGCCCACTCCAAGCCAAGTCTGTGATGACACGGGCCATGTGCGCCGCATGGTGGGGCCATCTGGG
TCCTCGTACTCTCTTCTCTGCCCCAACACCAGCCTGCATGGCCTCAGTCAACTAACTGTGCCCTGCCG
GGGGCCGGTGGCCGACTCAGCTATATGTTTCGCTGGTGGTCCCATGGACTTCTACAAGTTGGTGGTACTG
ACTACCGCACTGCTCTTCTTCTGTCTGCCATGGTCACCATCAGTGTGCTGTATCTGTCTATTGGGCTGC
GGCTGCGGAGGGAGAGGATGTTGCTCCAAGTGGAGGTCAAGGGCAGGAAAACCGCAGCAACCCAGGAGAC
CTCCCACAGAAGGATTCAGCTGCAAGATAGGGGACGGAGACAGGTGACCAAGATGCTGTTGCACTGGTT
GTGGTATTCGGCATCTGCTGGGCTCCATCCATGCTGACCGTATCATGTGGAGCCTGGTGTATGGACACT
CAACGGAAGCCTGCACCTGGCCTACCAGTGTGTCACATTGCCTCTGGCATCTTCTTCTATCTCGGCTC
AGCAGCCAACCCGGTCTACAGCCTCATGTCTACTCGTTCGAGAGACCTTCTGCAAGCCCTGGGC
CTTGGAACCCAGTGTGTCATCGCCGCAACCCTATCATGGCTCCATAACCACATCAGTTGACCACAG
GCAGCACCTGTGTGACGTGGGCCACAGGAACAGCAGGGACGAACCTCTGGCTGTGAATGAGGATCCAGG
GTGTCAGCAAGAGACAGACCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216511 representing NM_010341
 Red=Cloning site Green=Tags(s)

LVCNISEFKWPYQPEDLNLTDEALRLKYLGPQQMKQFVPICVTYLLIFVVGTLGNGLTCTVILRNKTMRT
 PTNFYLFSLAVSDMLVLLVGLPLELYEMQQNYPFQLGASACYFRILLLETVCLASVLNVTALSVERYVAV
 VRPLQAKSVMTRAHVRRMVGAIWVLATLFLSPLNTSLHGLSQLTVPICRGPVPDSAICSLVGPMDFYKLVVL
 TTALLFFCLPMVTISVLYLLIGLRLRRERMLLQVEVKGRKTAATQETSHRRIQLQDRGRRQVTKMLFALV
 VVFGICWAPFHADRIMWSLVYGHSTEGHLAYQCVHIASGIFFFYLGSAANPVLVSLMSTRFRETFLQALG
 LGTQCCHRRQPYHGSHNHIRLTTGSTLCDVGHNSRDEPLAVNEDPGCQQETDPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010341

ORF Size: 1215 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_010341.1](#), [NP_034471.1](#)

RefSeq Size: 1218 bp

RefSeq ORF: 1218 bp

Locus ID: 14767

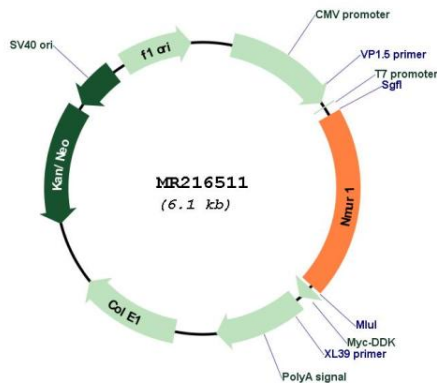
UniProt ID: [O55040](#)

Cytogenetics: 1 C5

MW: 46 kDa

Gene Summary: Receptor for the neuromedin-U and neuromedin-S neuropeptides.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216511