

Product datasheet for **RR211899**

Nmur2 (NM_022275) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nmur2 (NM_022275) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nmur2
Synonyms:	FM-4; Nmu2r
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211899 representing NM_022275 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGAAACTTGAAAATGCTTCCTGGATCCACGATCCTCTCATGAAGTACTTGAACAGCACAGAGGAGT
ACTTGGCCACCTGTGTGGACCAAGCGCAGTGACCTATCCCTCCGGTGTCTGTGGCCTATGCGCTGAT
CTTCTGGTGGGGTAATGGGCAATCTTCTGGTGTGCATGGTGATTGTCCGACATCAGACTTTGAAGACA
CCACCAACTACTATCTCTTTCAGCTTGGCAGTCTCAGATCTGCTGGTCCCTGCTCTTGGGGATGCCTCTGG
AAATCTACGAGATGTGGACAATTACCTTTTCTGTTCCGGCCTGTGGGATGCTACTTCAAGACAGCCCT
CTTCGAGACTGTGTGCTTTGCCTCCATTCTCAGTGTACCCACGGTTAGCGTAGAGCGCTATGTGGCCATT
GTCCACCCTTTCCGAGCCAAGCTGGAGAGCACGCGGCGACGGCCCTCAGGATCCTCAGCCTAGTCTGGA
GCTTCTCTGTGGTCTTTTCTTTGCCAATACCAGCATCCATGGCATCAAGTTCAGCACTTTCCCAACGG
GTCCTCCGTACCTGGCTCAGCCACCTGCACAGTCACCAAAACCATGTGGGTGATAAATTGATCATCCAA
GCTACCAGCTTCTCTTACATCCTCCCAATGACCCTCATCAGCGTCTCTACTACCTCATGGGGCTCA
GGCTGAAGAGAGATGAATCCCTTGAGGCGAACAAGTGGCTGTGAATATTCACAGACCCTCTAGAAAGTC
AGTCACCAAGATGCTGTTTGTCTTGGTCTCGTGTGGCCATCTGCTGGACCCCTTCCATGTGGACCGG
CTCTTCTCAGCTTTGTGGAAGAGTGGACAGAGTCCCTGGCTGCTGTGTTCAACCTCATCCATGTGGTAT
CAGGTGTCTTCTTTATCTGAGCTCCGCGGTCAACCCATTATCTATAACCTCCTGTCTCGGCGCTCCG
GGCGGCTTTGAAAATGTTGTCTCCCTACCTGCAAAATGGTGCCATCCCCGGCATCGGCCACAGGGACCT
CCAGCCCAGAAGATCATCTTCTTGACAGAATGTCACCTCGTGGAGCTGACAGAGGATGCAGGCCCCAGT
TCCCTGGTCAGTCATCCATCCACAACCAACCTTACCACGGCCCTGTGCAGGAGAGGTACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211899 representing NM_022275
 Red=Cloning site Green=Tags(s)

MGKLENASWIHDPLMKYLNSTEEYLAHLCPKRSDDLSPVSVAYALIFLVGMGNLLVCMVIVRHQTLKT
 PTNYLFLSLAVSDLLVLLLGMPLEIYEMWHNYPFLFGPVGCFKALFETVCFASILSVTTVSVRYVAI
 VHPFRAKLESTRRRALRILSLVWSFSVFLPNTSIHGKIFQHPNGSSVPGSATCTVTKPMWVYNI IQ
 ATSFLFYILPMTLISVLYYLMGLRLKRDESLANKVAVNIHRPSRKSVTKMLFVLVLFVFAICWTPFHVDR
 LFFSFVEEWTESLAAVFNLIHVSGVFFYLSSAVNPIIYNLLSRRFRAAFRNVSPTCKWCHPRHRPQGP
 PAQKIIFLTECHLVELTEDAGPQFPQGSSIHNTNLTAPCAGEVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

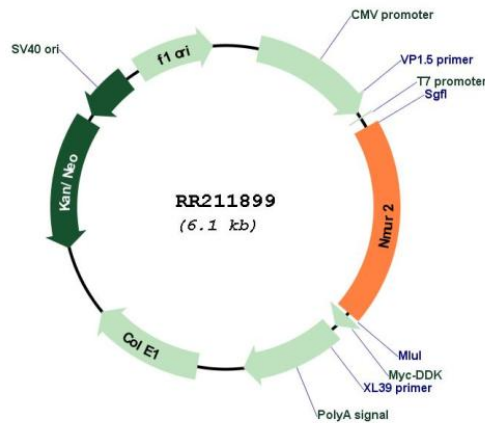
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_022275

ORF Size:	1185 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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:	NM_022275.3 , NP_071611.3
RefSeq Size:	3320 bp
RefSeq ORF:	1188 bp
Locus ID:	64042
UniProt ID:	Q9ESQ4
Cytogenetics:	10q22
MW:	44.7 kDa
Gene Summary:	receptor for the Nmu neuropeptide involved in the central control of feeding [RGD, Feb 2006]