

## Product datasheet for **SC123614**

### NMUR2 (BC016938) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NMUR2 (BC016938) Human Untagged Clone
Tag:	Tag Free
Symbol:	NMUR2
Synonyms:	FM-4; FM4; NMU-R2; NMU2R; TGR-1; TGR1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for BC016938 edited
CACTCACTCTCTCCCAGCCTTCCTTACGAAGCCTGTGACTTTCGTGACTGCTTTCTCTTT
TTTGTTTTCTTTTTCTTTTTTTTTTTTTTTCTGGCTCAGCTTGAACAGAGCCTCGT
ACCAGGGGAGGCTCAGGCCTTGGATTTAATGTCAGGGATGAAAAAATTGAGATGCTT
CCTGGATCTACCAGCAGAACTAGAAGATCCATTCCAGAAACACCTGAACAGCACCGAGG
AGTATCTGGCCTTCTCTGCGGACCTCGGCGCAGCCACTTCTTCTCCCCGTGCTGTGG
TGTATGTGCCAATTTTTGTGGTGGGGGTCAATTGGCAATGCTCTGGTGTGCCTGGTGATT
TGCAGCACCAAGGCTATGAAGACGCCACCAACTACTACCTCTTACGCTGGCGGTCTCTG
ACCTCCTGGTCTCTCCTTGAATGCCCTGGAGGTCTATGAGATGTGGCGCAACTACC
CTTTCTTGTTTCGGGCCCGTGGGCTGCTACTTCAAGACGGCCCTTTGAGACCGTGTGCT
TCGCCTCCATCCTCAGCATCACCACCGTCAGCGTGGAGCGCTACGTGGCCATCCTACACC
CGTTCGCGCCAAACTGCAGAGCACCCGGCGCCGGGCCCTCAGGATCCTCGGCATCGTCT
GGGGCTTCTCCGTGCTTCTCCTGCCAACACCAGCATCCATGGCATCAAGTCCACT
ACTTCCCCAATGGGTCCCTGGTCCAGGTTCCGGCCACCTTACGGTCATCAAGCCCATGT
GGATCTACAATTTTCATCATCCAGGTCACCTCCTTCTTCTACCTCCTCCCATGACTG
TCATCAGTGTCTCTACTACCTCATGGCACTCAGACTAAAGAAAGACAAATCTCTTGAGG
CAGATGAAGGAATGCAATATTTCAAAGACCCTGCAGAAAATCAGTCAACAAGATGCTGT
TTGTCTTGGTCTTAGTGTGGTATCTGTTGGGCCCGTTCACATTGACCGACTCTTCT
TCAGCTTTGTGGAGGAGTGGAGTGAATCCCTGGTGTGTGTTCAACCTCGTCCATGTGG
TGTGAGGTGTCTTCTTCTACCTGAGCTCAGCTGTCAACCCATTATCTATAACCTACTGT
CTCGCCGCTTCCAGGCAGATTCCAGAATGTGATCTTCTTTCCACAAACAGTGGCACT
CCCAGCATGACCCACAGTTGCCACCTGCCAGCGGAACATCTTCTGACAGAATGCCACT
TTGTGGAGCTGACCGAAGATATAGTCCCAATCCCATGTCAGTCATCCATGCACAAT
CTCACCTCCCAACAGCCCTCTCTAGTGAACAGATGTCAAGAACAACATCAAAGCTTCC
ACTTTAACAAAACCTGAATTTCTTTCAGAGCTGACTCTCCTCTATGCCTCAAAACTCAGA
GAGGAACATCCCAATAATGTATGCCTTCTCATATGATATTAGAGAGGTAGAATGGCTCTTA
CAACTCATGTACCATTGCTAGTTTTTTTTTTTTTAATAAACGTGAAAACAGAGTTAG
ATCTGGTTTCAAACCCAAAGACTGCCTGATTTTTAGTTATCTTTCCACTATCCTAACTGC
CTCATGCCCTTCACTAGTTCATGCCAAGAACGTGACTGGAAAGGCATGGCACCTATACC
TTGATTAATTTCCATTAATGGAATGGTTCGTCTGAGTCATCTACGTTCCGAGTCAGGC
TGTCACTCCTACTACCAATGGCCACTGTGAGCCACAGAAGGAAGACATGTACGTGCTGTT
CTACTTTATATGATGTGAGAAGCCAACATCAGTGTCCCTTGGCAGCAGTCTACAGGCATA
ACTTGTGTTTATTGTGCTGAATTTTATTGTGCTTCTCAAATATTGCACTTTTAAAAAATT
GAAAGTTTGTGGCAATGTGTTGAGCAAATCTGCTGGCATCTTTCTTCCAAAGGCATGT
GCTCACTTCATGTCTGTATCAATTGTCATAATTTTCGCAATAAACTTGATTATTATTA
AAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC016938 unedited NGTTGGGATTTGTATACGACTCATATAGGGCGGCCGCGATTTCGNATCTGGTACCGGTCCG GAATTCGCCGGATATCGTCGACCCACGCGTCCGCCACGCGTCCGCACTCACTCTCTCCC AGCCTTCTTACGAAGCCTGTGACTTTCGTGACTGCTTTCTTTTTTGTTCCTTTTT TCTTTTTTTTTTTTTTCTGGCTCAGCTTGAACAGAGCCTCGTACCAGGGGAGGCTCA GGCTTGGATTTAATGTCAGGGATGGAAAACTTCAGAATGCTTCTGGATCTACCAGC AGAACTAGAAGATCCATTCCAGAAACACCTGAACAGCACCGAGGAGTATCTGGCCTCC TCTGCGGACCTCGGCGCAGCCACTTCTTCTCCCGTGTCTGTGGTGTATGTGCCAATTT TTGTGGTGGGGTCAATTGCAATGCTCCTGGTGTGCCTGGTGATTCTGCAGCACCAGGCTA TGAAGACGCCACCACTACTACCTCTTACGCTGGCGGTCTCTGACCTCCTGGTCTGC TCCTTGAATGCCCTGGAGGTCTATGAGATGTGGCGCACTACCCTTTCTTGTTCGGGC CCGTGGGTGCTACTTCAAGACGGCCCTTTGAGACCGTGTCTCGCCTCCATCCTCA GCATCACCACCGTCAGCGTGGAGCGCTACGTGGCCATCCTACACCCGTTCCGCGCCAAAC TGCAGAGCACCCGNGCCGGGCCCTCAGGATCCTCGGCATCGTCTGGGGCTTCTCCGTG CTCTTCCNTGCCCAACCCAGCATCCATGGCATCAAGTCCACTACTTTCCCCATGGGT CCCTGGTCCCAGTTTCGCCCTTTTACGTCATCAAGCCATGTGGATCTACAATTCATC ATCAGTNACCTCCCTCCTT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC016938
<b>Insert Size:</b>	2069 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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="#">BC016938.2</a> , <a href="#">AAH16938.1</a>
<b>RefSeq Size:</b>	2057 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	56923
<b>Cytogenetics:</b>	5q33.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction

**Gene Summary:**

This gene encodes a protein from the G-protein coupled receptor 1 family. This protein is a receptor for neuromedin U, which is a neuropeptide that is widely distributed in the gut and central nervous system. This receptor plays an important role in the regulation of food intake and body weight. [provided by RefSeq, Jul 2008]