

## Product datasheet for **SC317664**

### NMUR2 (NM\_020167) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NMUR2 (NM_020167) Human Untagged Clone
Tag:	Tag Free
Symbol:	NMUR2
Synonyms:	FM-4; FM4; NMU-R2; NMU2R; TGR-1; TGR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317664 representing NM_020167. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCAGGGATGGAAAACTTCAGAATGCTTCCTGGATCTACCAGCAGAACTAGAAGATCCATTCCAG
AAACACCTGAACAGCACCGAGGAGTATCTGGCCTTCTCTGCGGACCTCGGCGCAGCCACTTCTTCTC
CCCGTGTCTGGTGTATGTGCCAATTTTGTGGTGGGGTTCATTGGCAATGCTCTGGTGTGCTGGTG
ATTCTGCAGCACCAGGCTATGAAGACGCCCACTACTACCTTTTCTCAGCCTGGCGGTCTCTGACCTC
CTGGTCTGCTCCTTGAATGCCCTGGAGTCTATGAGATGTGGCGCACTACCCTTTCTTGTTCGGG
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ACCGTCAGCGTGGAGCGCTACGTGGCCATCTACACCCGTTCCGCGCAAACCTGCAGAGCACCCGGCGC
CGGGCCCTCAGGATCCTCGGCATCGTCTGGGGCTTCTCCGTGCTTTCTCCCTGCCAACACCAGCATC
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TTTGCTATCTGTTGGGCCCGTTCCACATTGACCGACTCTTCTCAGCTTTGTGGAGGAGTGGAGTGAA
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AACCCATTATCTATAACCTACTGTCTCGCCGCTTCCAGGCAGCATTCCAGAATGTGATCTCTTCTTTC
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TGCCACTTTGTGGAGCTGACCGAAGATATAGTCCCAATTTCCATGTGAGTATCCATGCACAACCTCT
CACCTCCAGCAGCCCTCTAGTGAACAGATGTCAAGAACAACATCAAGCTTCCACTTTAACAAA
ACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_020167
<b>Insert Size:</b>	1248 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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_020167.4</a>
<b>RefSeq Size:</b>	2067 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	56923
<b>UniProt ID:</b>	<a href="#">Q9GZQ4</a>
<b>Cytogenetics:</b>	5q33.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	47.7 kDa
<b>Gene Summary:</b>	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]