*h*NMUR2 VersaClone cDNA

Catalog Number: RDC0153

Specifications:

Gene:	*h*NMUR2
Accession:	AAH16938
Insert size:	1260bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

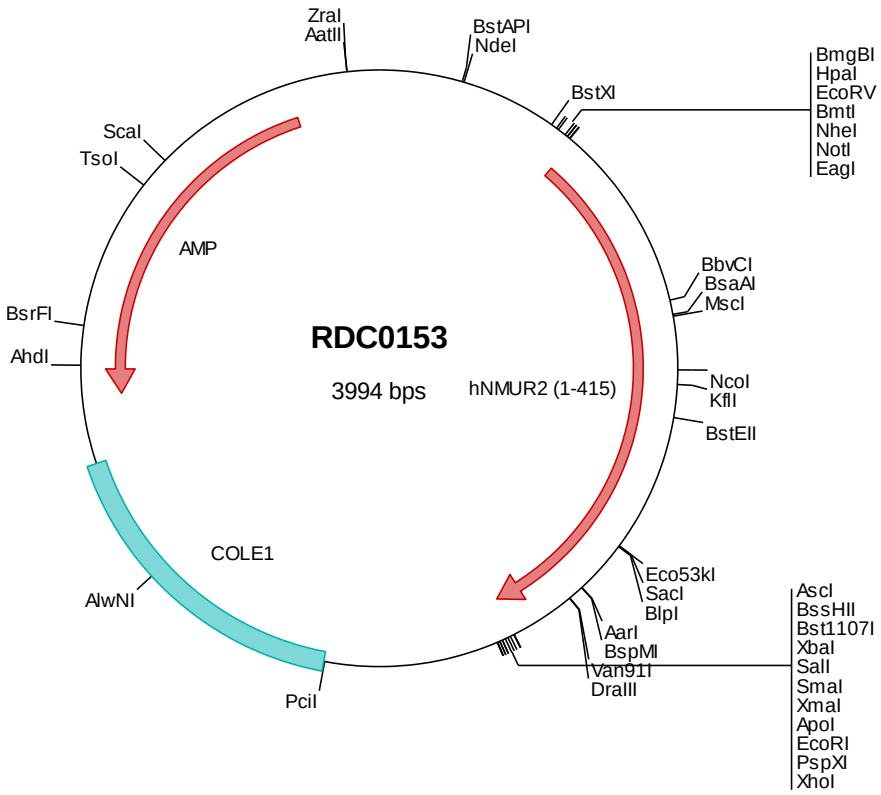
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*NMUR2 cDNA Plasmid

NMUR2 neuromedin U receptor 2 [*Homo sapiens*]

Also known as: FM4; FM-4; TGR1; NMU2R; TGR-1; NMU-R2

Summary:
NMUR2 is a member of the G protein-coupled receptor 1 family. It encodes a deduced 415-amino acid protein that shares 51% amino acid identity with human NMUR1. Expression of human NMUR2 is restricted to specific regions of the brain. NMUR2 is a receptor for neuromedin U, which is a neuropeptide that is widely distributed in the gut and central nervous system. NMUR2 plays an important role in the regulation of food intake and body weight.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0153 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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 501  actagaagat ccattccaga aacacctgaa cagcaccgag gagtatctgg ccttcctctg cggacctcgg cgcagccact tcttcctccc cgtgtctgtg
 601  gtgtatgtgc caatttttgt ggtgggggtc attggcaatg tcctggtgtg cctggtgatt ctgcagcacc aggctatgaa gacgcccacc aactactacc
 701  tcttcagcct ggcggtctct gacctcctgg tcctgctcct tggaatgccc ctggaggtct atgagatgtg gcgcaactac cctttcttgt tcgggcccgt
 801  gggctgctac ttcaagacgg ccctctttga gaccgtgtgc ttcgcctcca tcctcagcat caccaccgtc agcgtggagc gctacgtggc catcctacac
 901  ccgttccgcg ccaaactgca gagcacccgg cgccgggccc tcaggatcct cggcatcgtc tggggcttct ccgtgctctt ctccctgccc aacaccagca
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1101  ccaggtcacc tccttcctat tctacctcct ccccatgact gtcatcagtg tcctctacta cctcatggca ctcagactaa agaaagacaa atctcttgag
1201  gcagatgaag ggaatgcaaa tattcaaaga ccctgcagaa aatcagtcaa caagatgctg tttgtcttgg tcttagtgtt tgctatctgt tgggccccgt
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1801  tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact cacattaatt gcgttgcgct
1901  cactgcccgc tttccagtcg ggaaacctgt cgtgccagct gcattaatga atcggccaac gcgcggggag aggcggtttg cgtattgggc gctcttccgc
2001  ttcctcgctc actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg gtaatacggt tatccacaga atcaggggat
2101  aacgcaggaa agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg cgtttttcca taggctccgc ccccctgacg
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3701  ttactttcac cagcgtttct gggtgagcaa aaacaggaag gcaaaatgcc gcaaaaaagg gaataagggc gacacggaaa tgttgaatac tcatactctt
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3901  acatttcccc gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc tataaaaata ggcgtatcac gaggcccttt cgtc
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> RDC0153 Translated Insert Sequence

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 201  satftvikpm wiynfiiqvt sflfyllpmt visvlyylma lrlkkdksle adegnaniqr pcrksvnkml fvlvlvfaic wapfhidrlf fsfveewses
 301  laavfnlvhv vsgvffylss avnpiiynll srrfqaafqn vissfhkqwh sqhdpqlppa qrnifltech fveltedigp qfpcqssmhn shlptalsse
 401  qmsrtnyqsf hfnkt
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