

Product datasheet for **RG213833**

Neuromedin B (NMB) (NM_205858) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuromedin B (NMB) (NM_205858) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Neuromedin B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213833 representing NM_205858 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCGGGCGGGGGGGCGCTCGGATGTTCCGGCAGCCTCCTGCTCTTCGCCCTGCTCGCTGCCGGCG
TCGCCCCGCTCAGCTGGGATCTCCCGAGCCCCGAGCCAGCAAGATCCGAGTGCCTCGCGAGG
CAACCTCTGGGCCACCGGTCACCTCATGGGCAAGAAGAGTCTGGAGCCTCCAGCCCATCCCCATTGGGG
ACAGCTACCCACACCTCCCTGAGGGACCGAGCTGCAGCTGATCATGATCTGCTCGGAATCCTCCTGC
TAAAGAAGGCTCTGGGCGTGAGCCTCAGCCGCCCGCACCCCAAATCCAGGAGGCTGCTGGTACAAATAC
TGCAGAAATGACACCAATAATGGGCGAGACACAACAGCGTGGCTTAGATTGTGCCACCCAGGGAAGGTG
CTGAATGGGACCCTGTTGATGGCCCCATCTGGATGTAAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG213833 representing NM_205858 Red=Cloning site Green=Tags(s)
-------------------	--

MARRAGGARMFGSLLLFALLAAGVAPLSWDLPEPRSRASKIRVHSRGNLWATGHFMGKKSLEPSSPSPLG
TATHTSLRDQRLQLSHDLLGILLKKALGVLSRPAPQIQEAAGTNTAEMTPIMGTQQRGLDCAHPGKV
LNGTLLMAPSGCKS

TRTRPLE - GFP Tag - V

Restriction Sites:	SgfI-MluI
--------------------	-----------


[View online »](#)

Cloning Scheme:



ACCN: NM_205858

ORF Size: 462 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.

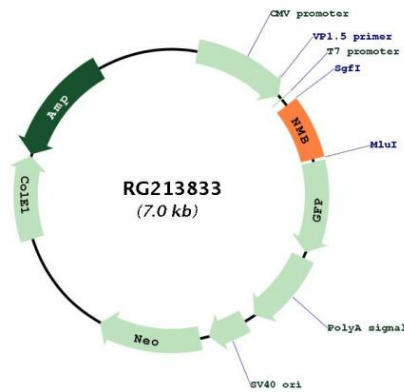
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_205858.1](#), [NP_995580.1](#)

RefSeq Size: 1041 bp

RefSeq ORF:	465 bp
Locus ID:	4828
UniProt ID:	P08949
Cytogenetics:	15q25.2
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	This gene encodes a member of the bombesin-like family of neuropeptides, which negatively regulate eating behavior. The encoded protein may regulate colonic smooth muscle contraction through binding to its cognate receptor, the neuromedin B receptor (NMBR). Polymorphisms of this gene may be associated with hunger, weight gain and obesity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

Product images:



Circular map for RG213833