

Product datasheet for **SC301604**

NMS (NM_001011717) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NMS (NM_001011717) Human Untagged Clone
Tag:	Tag Free
Symbol:	NMS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301604 representing NM_001011717. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGAAACATCTTCGTCCCGATTCCCTCTCATCTTGGCCATCTACTGCTTCTGCATGCTACAGATTCCC
 TCCTCAGGATTTCTCAACCTTTAGCTGATCCTTCAGATGGCTTGGATATTGTGCAGCTTGAGCAGCTG
 GCATATTGTCTGAGTCAGTGGGCACCTCTTCTCGCCAACCTAAGGATAATCAAGACATATACAAAAGG
 TTTTGTTCCTACTCCAGAACTCAGGAGGCAACACATCCAGTTAAACTGGGTTTCTCCAGTGCAT
 CCTCTAATGCACCTGGCTGCCAAGCTCGCCAACAGGCGGATGAAGAGAATTCTGCAGCGAGGCTCGGGG
 ACTGCTGCAGTGGACTTCACCAAGAAGGATCACACTGCGACCTGGGGACGACCCTTTTCTTTTCAGG
 CCAGGAATGGAAGAAACATTGAAGATGAGGCCAGATTCACTGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001011717
Insert Size:	462 bp
OTI Disclaimer:	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).
OTI Annotation:	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.


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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:	<u>NM_001011717.1</u>
RefSeq Size:	485 bp
RefSeq ORF:	462 bp
Locus ID:	129521
UniProt ID:	<u>Q5H8A3</u>
Cytogenetics:	2q11.2
Protein Families:	Secreted Protein
MW:	17.7 kDa
Gene Summary:	This gene encodes a member of the neuromedin family of neuropeptides. The encoded preproprotein is proteolytically processed to generate a biologically active neuropeptide that plays a role in the regulation of circadian rhythm, anorexigenic action, antidiuretic action, cardiovascular function and stimulation of oxytocin and vasopressin release. [provided by RefSeq, May 2016]