

## Product datasheet for **RN215366**

### Nts (NM\_001102381) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nts (NM_001102381) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nts
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215366 representing NM_001102381 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATAGGAATGAACCTTCAGCTGGTGTGCCTGACTCTCCTGGCTTTCAGCTCCTGGAGTCTGTGCTCAG  
 ATTCAGAGAAGATGTGAGAGTCCTGGAGGCAGATCTCCTGACAAATATGCATGCATCGAAGGTCAGCAA  
 AGGAAGTCCTCCCTCTTGGAAAAAGACCTTGCTCAACGTTTGCAGCCTGATCAATAACCTGAACAGCGCA  
 GCGGAGGAAGCGGAGAAATGCGTGATGACGACCTTGTGCGAAAAGGAACTTCCCTTGTCTGGATG  
 ACTTTAGCTTGAAGCGCTGCTGACCGTATTCCAATCCAGAAGATCTGCCGAGCCGGGCTTTCAACA  
 CTGGGAGATAATTCAAGGAGGATATCCTCGATCATGGCAATGAGAAAAGTGAAGGAAGAAGTGATAAAG  
 AGAAAAATCCCTTATATTCTGAACGGCAGCTCTATGAGAATAAACCCAGAAGGCCCTACATACTCAAGA  
 GGGCCTCTACTACTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001102381
Insert Size:	510 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).


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<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>	<u>NM_001102381.1, NP_001095851.1</u>
<b>RefSeq Size:</b>	798 bp
<b>RefSeq ORF:</b>	510 bp
<b>Locus ID:</b>	299757
<b>Cytogenetics:</b>	7q21
<b>Gene Summary:</b>	gene encodes a precursor protein for both peptides; neurotensin may be involved in smooth muscle contraction and possibly fat metabolism [RGD, Feb 2006]