

## Product datasheet for **RR207163**

### Ntm (NM\_017354) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ntm (NM\_017354) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ntm  
**Synonyms:** Hnt; RNU16845  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207163 representing NM\_017354  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGTCTGTGGGTACCTGTTCTGCCCTGGAAGTGCCTCGTGGTCTGTCTCTCAGGCTGCTGTTCC  
 TTGTACCCACAGGAGTGCCGGTGCCTAGCGGAGATGCCACCTTTCCCAAAGCTATGGACAACGTGACGGT  
 CAGGCAGGGGAGAGCGCCACCCTCAGGTGCACAATTGACAACCGAGTCACCCGGTGGCCTGGCTAAAC  
 CGCAGTACCATCCTCTATGCTGGAAATGACAAGTGGTGCCTAGATCCTCGTGTGGTTCTCCTGAGTAACA  
 CCCAGACCCAGTACAGCATTGAGATCCAGAATGTGGATGTGTATGATGAGGGCCCTTATACCTGCTCGGT  
 GCAGACAGACAACCACCCTAAGACCTCCAGGGTCCACCTCATTGTACAAGTATCTCCAAAATTGTAGAG  
 ATTTCTTCAGATATCTCCATTAATGAAGGGAACAACATCAGCCTCACTTGCATAGCCACAGGTAGACCGG  
 AGCCTACAGTAACCTGGAGACATATTTCTCCCAAAGCTGTGGCTTTGTGAGTGAGGATGAGTACCTGGA  
 GATCCAGGGCATCACTCGGGAGCAGTCAGGCGAGTATGAGTGCAGCGCCTCAACGACGTGGCAGCACCA  
 GTCGTACGAAGAGTGAACGTACCGTGAACATCCACCATACATCTCAGAAGCTAAGGGTACAGGTGTCC  
 CCGTGGGCGAGAAGGGGACTCTGCAGTGTGAAGCCTCGGCAGTCCCTTCAGCAGAATTTCAAGTGTCAA  
 GGATGACAAAAGACTGGTTGAAGGGAAGAAGGGAGTCAAAGTGGAAAACAGACCTTTCTTTCAAGACTC  
 ACCTTTTTCAACGTCTCTGAACACGACTATGGAACTACACATGTGTGGCATCCAACAAGTTGGGCCACA  
 CCAATGCCAGCATCATGTATTTGGCCAGGTGCTGTGACGAGGTCAACAATGGGACGTCAAGGAGGGC  
 AGGCTGCATTTGGCTCCTCCCTCTTCTGGTCTTACACCTGCTCCTCAAATTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207163 representing NM\_017354  
 Red=Cloning site Green=Tags(s)

MGVCGYLFPLPWKCLVVVSLRLLFLVPTGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLN  
 RSTILYAGNDKWCLDRPVVLLSNTQTQYSIEIQNVVYDEGPYTCVQTDNHPKTSRVHLIVQVSPKIVE  
 ISSDISINEGNNISLTCIATGRPEPTVTRHISPKAVGFVSEDEYLEIQGITREQSGEYECASNDVAAP  
 VVRRVNVTVNYPPISEAKGTGVPVGQKGLQCEASAVPSAEFQWFKDDKRLVEGKKGKVENRPFLLSRL  
 TFFNVSEHDYGNVTCVASNKLGHNASIMLFGPGAVSEVNNNGTSRRAGCIWLLPLLVLHLLLLKF

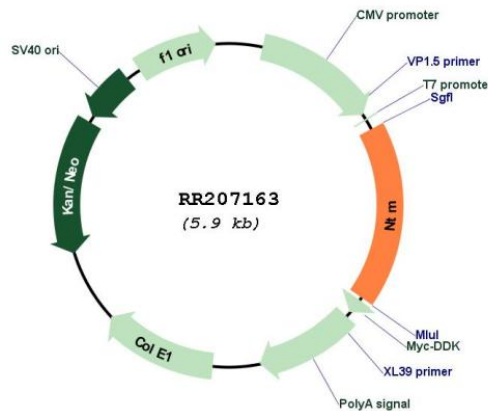
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_017354

ORF Size: 1032 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_017354.1</a> , <a href="#">NP_059050.1</a>
<b>RefSeq Size:</b>	2040 bp
<b>RefSeq ORF:</b>	1035 bp
<b>Locus ID:</b>	50864
<b>UniProt ID:</b>	<a href="#">Q62718</a>
<b>Cytogenetics:</b>	8q13
<b>MW:</b>	38 kDa
<b>Gene Summary:</b>	member of a family of GPI-anchored cell adhesion molecules; may be involved in specifying neuronal projections and connectivity [RGD, Feb 2006]