

## Product datasheet for **RN208523**

### Gnat1 (NM\_001108780) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gnat1 (NM\_001108780) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gnat1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN208523 representing NM\_001108780  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGCTGGGGCCAGCGCTGAGGAGAAGCACTCCAGAGAGCTGGAAAAGAAGCTGAAAGAAGACGCTG  
AGAAGGACGCACGACCGTGAAGCTGCTTCTGGGTGCGGGTGAATCCGGGAAAAGCACTATTGTCAA  
GCAGATGAAGATTATCCACCAGGACGGGTATTCGCTGGAAGAATGCCTCGAGTTCATCGCCATCATCTAT  
GGCAACACTCTGCAGTCCATCCTGGCCATCGTGAGGGCTATGACCACGCTCAACATTCAGTATGGAGATT  
CGGCTCGGCAGGACGATGCCCGAAGCTGATGCACATGGCGGATACTATTGAGGAAGGCACAATGCCCAA  
GGAGATGTCAGACATCATTACAGCGCTGTGGAAGGACTCCGGTATCCAAGCTTGCTTTGACCGAGCCTCA  
GAATACCAACTCAATGACTCTGCTGGCTACTACCTTTCAGACCTAGAGCGTCTGGTGACTCCAGGATACG  
TGCCCACTGAGCAGGATGTGTTGCGTTCCTGTGTCAAAACCACTGGTATTATCGAGACTCAATTTTCCTT  
CAAGGACCTCAACTTCAGAATGTTTCGATGTGGCGGGCAGCGTTCGAGCGCAAAAAGTGGATCCACTGC  
TTTGAGGGTGTGACGTGCATCATTTTCATCGCTGCGCTGAGCGCTTACGACATGGTGCTGGTGGAGGACG  
ACGAAGTGAACCGAATGCACGAGAGCCTGCACCTGTTCAACAGCATCTGCAATCACCGCTACTTCGCCAC  
GACGTCCATCGTCTCTTCTCAACAAGAAGGAGCTTTTCTCCGAGAAGATAAAAAGGCACACCTCAGC  
ATCTGCTTTCCCGATTACGATGGACCTAACACTTACGACGATGCCGGCAACTACATCAAAGTGCAGTTCC  
TGGAGCTTAACATGCGACGTGATGTGAAGGAGATCTATCCCACATGACCTGCGCTACCGACACACAGAA  
CGTCAAGTTTGTCTTTGACGCCGTACCGACATTATCATCAAGGAGAACCTCAAAGACTGCGGGCTCTTC  
TGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001108780  
**Insert Size:** 1053 bp



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<b>OTI Disclaimer:</b>	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).
<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_001108780.2, NP_001102250.2</u>
<b>RefSeq Size:</b>	2169 bp
<b>RefSeq ORF:</b>	1053 bp
<b>Locus ID:</b>	363143
<b>Cytogenetics:</b>	8q32