

## Product datasheet for **RN200943**

### **Nat10 (NM\_001107756) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nat10 (NM_001107756) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nat10
Synonyms:	RGD1306717
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200943 representing NM\_001107756  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGTCCAAGCAACTGTGAAGGCTCGGCCCTCTGTCTGTGGTGTACAAGAAAGAGCTGGGATTTA  
 GCAGTCATCGGAAGAAGAGAATGCGGCAGCTACAGAAGAAGATAAAGAGTGGGACCTTGAACATAAAGCA  
 AGATGACCCCTTTGAGCTTTTTGTAGCAGCCACAAACATTCGCTACTGCTACTACAAATGAAACCCACAAG  
 ATTCTGGGCAACACTTTTGGCATGTGTCTCCAGGACTTTGAAGCATTAACTCCTAACTGTTGGCCA  
 GAACTGTAGAAACAGTAGAAGGTGGTGGATTGGTGGTCATCCTCTTACGGACCATGAACTCGCTTAAGCA  
 GCTGTACACAATGACTATGGATGTGCACCTCAGGTACAGGACCGAGGCCCATCAGGACGTGGTGGGAAGG  
 TTTAACGAGAGGTTTATCTCTCTCTGGCATCTTGAAGAAGTGTCTGGTCATTGATGACCAACTCAATA  
 TCCTGCCCATCTCTCCCATGTGGCCAGCATTGAAGCCTTACCTCCTCAGGCCCCGATGAGAATCTCAG  
 TCCTGCTGCTCTGGAGCTGCAGGAGTTGAAAGAGAGCTTGACAGGACACTCAGCCCGTGGGTGTTTGGTG  
 GACTGCTGCAAGACCCTGGACCAGGCCAAAGCTGTCTTGAATTCATTGAGGGGATCTCGGAGAAGACCC  
 TAAGGAGTACTGTTGCCCTCACCCTGCCCCGAGGACGGGCAAGTCTGCGGCCCTGGGCCTGGCTATTGC  
 TGGGGCAGTGGCATTTCGGATATTCGAATATTTTTGTACCTCCCCAAGCCAGATAACCTCCACACCCTG  
 TTTGAATTTGATTTAAGGGGTTTGTGCTCTGCAGTACAGGAGCACCTGGACTACGAGATTGTACAGT  
 CGCTGAACCCCGAGTTTAAATAAGCGGTGATCAGGGTAAATGTGTTCCGAGAGCACAGGCAGACTATCCA  
 GTACATCCATCCTGCAGATGCTGTGAACTGGGCCAGGCTGAGCTGGTTGTGATAGATGAAGCTGCCCT  
 ATCCCCCTCCCCCTGGTGAAGAGCTTGTGGGCCCTACCTGGTTTTTTCATGGCATCTACTATCAATGGCT  
 ACGAGGCACTGGCCGGTCACTTTCCCTCAAACATCCAGCAACTCCGTCAGCAGAGTGCCAGAGCCA  
 GGTCAGCACCACTGCTGAGAACAAGACCACGACGACAGCCAGATTGGCCCTCAGCTCGGACATTGCATGAG  
 GTTTCCCTCCAAGAGTCAATCCGGTACGCCCTGGGGATGCAGTGGAGAAGTGGTGAATGACCTGCTGT  
 GCCTGGATTGCCTCAACATCACCCGCATCGTTTTCCGGCTGCCCTTGCCTGAGGCCTGTGAGCTCTACTA  
 TGTTAACAGAGATACCCTCTTTTGTACCACAAGGCTTCTGAGGTTTTTCTGCAGAGGCTCATGGCTCTC  
 TATGTGGCTTCGATTACAAGAACTCTCCCAACGATCTGCAGATGCTCTCGGATGCACCTGCTCACCACC  
 TCTTCTGCCTTCTGCCACCTGTGCCCTACCCAGAATGCCCTGCCCGAAGTGTCTGAGTTGTCCAGGT  
 GTGCCCTGAAGGAGAGCTTCTCGTCAGTCCATTTTGAATAGCCTGTCTAGAGGCAAAAAGGCTTCTGGG  
 GACCTGCTTCCATGGACTGTGTCAGAACAGTTTCCAGGATCCAGACTTTGGAGCCTTTCTGGTGGACGGG  
 TTGTTTCGAATTGCTGTACATCCAGATTACCAAGGGATGGGCTACGGCAGCCGAGCACTGCAGCTGCTGCA  
 GATGTACTACGAAGGCAGGTTCCCGTGTCTGGAGGAAAAGGTCTTGGAGACACCACAAGAAATCCACACC  
 GTGAGCAGTGAGGCCGTGAGCTTGTGGAAGAAGTTATCACTCCCCGGAAGGATCTGCCTCCCTTACTCC  
 TCAAGTTGAATGAGAGGCCTGCAGAGCGCTAGATTATCTGGGGGTTTTCTATGGGCTGACCCCAAGGCT  
 CCTCAAGTTCTGGAACGAGCTGGATTTGTTCTGTCTATTTGAGACAGACCCCAATGACCTGACTGGA  
 GAGCACTCCTGCATTATGCTGAAGACTGGCTGATGAGGATGAGGCGGAGCGGGGAGCTTGGCTGGCAG  
 CATTTTGGACCGATTTCCGAAGACGTTCTGGCCCTGCTGTCTTACCAGTTCAGCACCTTCTCTCTGCTG  
 CCTGTCTCTGAACATCATTGAGAACAGGAACATAGCGAAGTCAAGCCCAAGTCTAGGCGGAGGAGCAT  
 CTGGAGGCCCTTCTCCCTATGACCTGAAGCGGCTGGAGATGTAATCTCGGAACATGTTGCGATTATC  
 ACCTCATCATGGACCTTATCCAGCCATTTCCCGCCTGTACTTCTCAACCAGCTAGGGGACCTGGCATT  
 GTCAGCCGCCAGTTCGGATGAAGCAGCAAGGAATTCCAGGAGAAAACACAAGAAGGACGTGGGGAAGCTG  
 AAGGACATGGACCTCTCTCAATATATAATCCGTGGCGATGATGAAGAGTGAATGAAGTTTTGAGCAAAG  
 CAGGGCAGAAATGCCTCCATTGTTAGTTTAAAAGTGACAAGAAAAGGAACTGGAACAAAAACAAGAAC  
 CAAACAGAGCAAGAAGTTGAAGAAGAGCGGTAACAACAGAAAGGACAGAACTGAAGAGAAGAAG**TAG**

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001107756

<b>Insert Size:</b>	2730 bp
<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><a href="#">NM_001107756.1</a></u> , <u><a href="#">NP_001101226.1</a></u>
<b>RefSeq Size:</b>	3478 bp
<b>RefSeq ORF:</b>	2730 bp
<b>Locus ID:</b>	311257
<b>Cytogenetics:</b>	3q32