

## Product datasheet for **RN203174**

### Nat2 (NM\_053854) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nat2 (NM_053854) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nat2
Synonyms:	Nat2a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203174 representing NM_053854 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGC**C

ATGGACATTGAAGCATACTTTGAAAGAATTGGTTATCAGAGTTCAGGAACAACTGGACTTGAAGAAT  
TAACTGAAATCTTCAACACCAGATACGGGCTATCCCTTTGAAAACCTTGAACATCCATTGCGGGGAATC  
CATGGAGCTGAATTTAGAAGTCATCTTTGATCAAGTTGTGAGGAAGAAGCGTGGTGGATGGTGTCTCCAG  
GTTAATCATCTGCTGACTGGGCTCTGACCAAAATGGGCTTTGAAGCCACAATGTTGGGAGGGTATGTCT  
TTAACTCCAGCCAATAAGTACAGCAGTGGCATGATTCACTTACTAGTGCAGGTGACCCCTCAGTGGAAA  
GGACTACATTGTTGATGCTGGGTTTGGACGTTCCCTACCAGATGTGGGAGCCTCTGGAATTAACATCAGGG  
AAGGATCAGCCTCAGGTGCCTGCCATCTTTGTTTACAGAGAGAAATGGAACCTGGTACTTGGACCAA  
TCAGAAGAGAGCAGTATGTTCCAAACCAAGAGTTTGTAACTCAGACCTCCTTAAAAGAACAAATATCG  
AAAAATCTATTCCTTTACTCTTGAGCCCCGCACTATTGAGGATTTTGTAGTCCATTAATACCTATCTTCAG  
ACATCGCCAGCATCCTTGTACAAGTAAATCATTTTGTTCCTTGACAGACCCTAGAAGGGGTTCACTGTT  
TGGTTGGCTCCACCCTCACTTATAGGAGATTCAGTTATAAGGACAATATAGATCTTGTAGAGTTTAAAGAG  
TCTGACTGAGGAAGAAATAGAAGACGTAAGTAACTATATTTGGGGTTTCTTTAGAGAGAAAGCTTGTG  
CCTAAACATGGTATCGATTTTTTACCATT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_053854
Insert Size:	873 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>	<a href="#">NM_053854.1</a> , <a href="#">NP_446306.1</a>
<b>RefSeq Size:</b>	1385 bp
<b>RefSeq ORF:</b>	873 bp
<b>Locus ID:</b>	116632
<b>UniProt ID:</b>	<a href="#">P50298</a>
<b>Cytogenetics:</b>	16p14
<b>Gene Summary:</b>	enzyme that acetylates only aryl amines; may have a role in carcinogenesis [RGD, Feb 2006]