

Product datasheet for **RN216258**

Nat1 (NM_001037316) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nat1 (NM_001037316) Rat Untagged Clone
Tag: Tag Free
Symbol: Nat1
Synonyms: Nat
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216258 representing NM_001037316
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGGACATCGAAGCATACTTCGAAAGGATTGGTTACAAGAAGCTCAGTGAATAAGTTGGACTTGGCCACAT
TAAGTGAAGTTCTTCAACACCAGATGCGAGCAGTTCCTTTGAGAATCTTAGTATGCACTGTGGAGAAGC
CATGTGTCTGGGCTTAGAGGCCACTTTTGACCACATAGTAAGGAAAAAGCGGGTGGTGGTGTCTCCAG
GTTAATCATCTGCTGACTGGGCTCTGACCAAAATGGGTTTTGAAACCACAATGTTGGGAGGATATGTTT
ACATAACTCCAGTCAACAAATATAGCAGTGAAATGGTCCACCTTCTAGTACAAGTGACCATCAGTGACAG
GAACTACATTGTGGATTCTGCCTATGGAAGCTCCTACCAGATGTGGGAGCCTCTGGAATTAACCTCAGGG
AAGGATCAGCCTCAGGTGCCTGCCATCTTTCGTTTGACAGAAGAGAATGGAACCTGGTACTTGGACCAA
TCAGAAGAGAGCAGGATGTTCCAAACCAAGAGTTTGTTAACTCGGACCTCCTTGAAGAGCAAATATCG
AAAAATCTATTCCTTACTCTTGAGCCCCGCACTATTGAGGATTTGAATATGTGAATACCTACCTTCAG
ACATCGCCAGCCTCTGTGTTTGAAGCACATCGTTCGTTCTGTCGAGACCTCAGAAGGGGTTTGTGTT
TAATTGGTCCACCCTTACAAGTAGGAGATTCAGTTATAAGGACAATGTAGATCTGGTTGAGTTTAAGAG
TCTGACTGAGGAAGAAATAGAAGATGACTGAAAACCACATTTGGCATTCTTTGGAGAAAAAGTTTGTG
CCCAAACATGGCGAACTCGTTTTTACTATT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001037316
Insert Size: 873 bp



[View online »](#)

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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001037316.1</u> , <u>NP_001032393.1</u>
RefSeq Size:	1741 bp
RefSeq ORF:	873 bp
Locus ID:	116631
UniProt ID:	<u>P50297</u>
Cytogenetics:	16p14
Gene Summary:	enzyme which acetylates both arylamines and arylalkylamines [RGD, Feb 2006]