

## Product datasheet for **SC112101**

### **NAT10 (NM\_024662) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NAT10 (NM_024662) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAT10
Synonyms:	ALP; Kre33; NET43
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_024662, the custom clone sequence may differ by one or more nucleotides

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ATGCATCGGAAAAAGGTGGATAACCGAATCCGGATTCTCATTGAGAATGGAGTAGCTGAGCGGCAAAGT
CTCTCTTTGTTGAGTTGGGATCGAGGAAAAGATCAGGTGGTAATACTTCATCACATGTTATCCAAAGC
AACTGTGAAGGCTCGGCCTTCAGTGCTGTGGTGTATAAGAAAGAGCTGGGGTTTAGCAGTCACCGGAAG
AAAAGAATGCGACAGCTGCGAGAAGAAAATAAGAATGGAACACTGAACATAAAGCAGGACGACCCCTTTG
AACTCTTCATAGCAGCCACAAACATTTCGCTACTGCTACTACAACGAGACCCACAAGATCCTGGGCAATAC
CTTCGGCATGTGTGCTGCAGGATTTTGAAGCCTTAACTCCAAACTTGCTGGCCAGGACTGTAGAAAACA
GTGGAAGGTGGTGGGCTAGTGGTCATCCTCCTACGGACCATGAACTCACTCAAGCAATTGTACACAGTGA
CTATGGATGTGCATTCCAGGTACAGAACTGAGGCCATCAGGATGTGGTGGGAAGATTTAATGAAAGGTT
TATTCTGTCTCTGGCCTTTGTAAGAAGTGTCTCGTCATTGATGACCAGCTCAACATCCTGCCCATCTCC
TCCCACGTTGCCACCATGGAGGCCCTGCCTCCCAGACTCCGGATGAGAGTCTTGGTCTCTGATCTGG
AGCTGAGGGAGTTGAAGGAGAGCTTGCAGGACACCCAGCCTGTGGGTGTGTTGGTGGACTGCTGTAAGAC
TCTAGACCAGGCCAAAGCTGTCTTGAAATTTATCGAGGGCATCTCTGAAAAGACCCTGAGGAGTACTGTT
GCACTCACAGCTGCTCGAGGACGGGAAAATCTGCAGCCCTGGGATTGGCGATTGCTGGGGCGGTGGCAT
TTGGGTACTCCAATATCTTTGTTACCTCCCAAGCCCTGATAACCTCCATACTCTGTTTGAATTTGTATT
TAAAGGATTTGATGCTCTGCAATATCAGGAACATCTGGATTATGAGATTATCCAGTCTCTAAATCCTGAA
TTTAAACAAAGCAGTGATCAGAGTGAATGTATTTGAGAACACAGGCAGACTATTCAGTATATACATCCTG
CAGATGCTGTGAAGCTGGGCCAGGCTGAACTAGTTGTGATTGATGAAGCTGCCCCATCCCCCTCCCCTT
GGTGAAGAGCCTACTTGGCCCCACCTTGTGTTTTCATGGCATCCACCATCAATGGCTATGAGGGCAGCTGGC
CGGTCAGTGTCCCTCAAGCTAATTCAGCAGCTCCGTCAACAGAGCGCCAGAGCCAGGTCAGCACCACCTG
CTGAGAATAAGACCACGACGACAGCCAGATTGGCATCAGCGCGGACACTGCATGAGGTTTTCCCTCCAGGA
GTCAATCCGATACGCCCTGGGGATGCAGTGGAGAAGTGCTGAATGACTTGCTGTGCCTGGATTGCCTC
AACATCACTCGGATAGTCTCAGGCTGCCCTTGCTGAAGCTTGTGAACTGTAATGTTAATAGAGATA
CCCTCTTTTGTACCACAAGGCCTCTGAAGTTTTCTCCAACGGCTTATGGCCCTCTACGTGGCTTCTCA
CTACAAGAACTCTCCAATGATCTCCAGATGCTCTCCGATGCACCTGCTCACCATCTCTTCTGCCTTCTG
CCTCTGTGCCCCACCAGAATGCCCTTCCAGAAGTGTGCTGTTATCCAGGTGTGCCTTGAAGGGG
AGATTTCTCGCCAGTCCATCTTGAACAGTCTGTCTCGAGGCAAGAAGGCTTCAGGGGACCTGATTCCATG
GACAGTGTGAGAACAGTCCAAGATCCAGACTTTGGTGGTCTGTCTGGTGAAGGGTCGTTCCGATTGCT
GTTCAACCAGATTATCAAGGGATGGGCTATGGCAGCCGTGCTCTGCAGCTGCTGCAGATGTACTATGAAG
GCAGGTTTTCTTGTCTGGAGGAAAAGGTCCTTGAGACACCACAGGAAATTCACACCGTAAGCAGCGAGGC
TGTGAGCTTGTGGAAGAGGTCATCACTCCCGGAAGGACCTGCCTCCTTACTCCTCAAATGAAATGAG
AGGCCTGCCGAACGCCTGGATTACCTGGGTGTTTCTATGGCTTGACCCCAAGGCTCCTCAAGTTCTGGA
AACGAGCTGGATTTGTTCTGTTATCTGAGACAGACCCGAATGACCTGACCGGAGAGCACTCGTGCAT
CATGCTGAAGACGCTCACTGATGAGGATGAGGCTGACCAGGGAGGCTGGCTTGCAGCCTTCTGAAAAGAT
TTCCGACGGCGGTTCTAGCCTTGCTCTCCTACCAGTTCACTACCTTCTCCTTCCCTGGCTCTGAACA
TCATTGAGAACAGGAACATGGGGAAGCCAGCCAGCCTGCCCTGAGCCGGGAGGAGCTGGAAGCACTCTT
CCTCCCCTATGACCTGAAGCGGCTGGAGATGTATTCACGGAATATGGTGGACTATCACCTCATATGGAC
ATGATCCCGGCCATCTCTCGCATCTATTTCTGAACCAGCTGGGGACCTGGCCCTGTCTGCGGCTCAGT
CGGCTCTTCTTGGGATTGGCCTGCAGCATAAGTCTGTGGACCAGCTGGAAAAGGAGATTGAGCTGCC
CTCGGGCCAGTTGATGGGACTTTTCAACCGGATCATCCGCAAAGTTGTGAAGCTATTTAATGAAGTTCAG
GAAAAGGCCATTGAGGAGCAGATGGTGGCAGCGAAGGATGTGGTTCATGGAGCCACGATGAAGACCCCTCA
GTGACGACCTAGATGAAGCAGCAAAGGAATTTGAGGAGAAACACAAGAAGGAAGTAGGGAAGCTGAAGAG
CATGGACCTCTGAATACATAATCCGTGGGACGATGAAGAGTGAATGAAGTTTTGAACAAAGCTGGG
CCGAACGCTCGATCATCAGCCTGAAAAGTGACAAGAAAAGGAAGTTAGAGGCCAAACAAGAACCCAAAC
AGAGCAAGAAGTTGAAGAACAGAGAGACAAAGAACAAGAAAGATATGAACTGAAGCGGAAGAAATAG
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_024662 unedited  
 ATTTTGTAAACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGCTGAGAGGGACG  
 CGTGCCCGCGGAGCCAGGCTTACTACGTGACCCGGACACCAGGCATACGCTAGGGGACGTC  
 AGCTGTGCCTTCTTTTCGGAGTTGTTCCGTGCTCCCACGTGCTCCCCTTCTCCACTGG  
 CTGGGATCCCCGGGCTCGGGGCGCAGTAATAATTTTACCATGCATCGGAAAAAGGTG  
 GATAACCGAATCCGGATTCTCATTGAGAATGGAGTAGCTGAGCGGCAAAGATCTCTCTTT  
 GTTGTAGTTGGGATCGAGGAAAAAGATCAGGTGGTAATACTTCATCACATGTTATCCAAA  
 GCAACTGTGAAGGCTCGGCCTTCAGTGCTGTGGTGTATAAGAAAGAGCTGGGGTTTAGC  
 AGTCACCGGAAGAAAAGAAATGCGACAGCTGCAGAAGAAAAATAAGAATGGAACACTGAAC  
 ATAAAGCAGGACGACCCCTTTGAACTCTTCATAGCAGCCACAAACATTGCTACTGCTAC  
 TACAACGAGACCCACAAGATCCTGGGCAATACCTCGGCATGTGTGTCCTGCAGGGATT  
 TGAAGCCTCTACTCCAACTTGCTGGCCAGGACTGTAGAAACAGTGGAAGGTGGTGGGCT  
 AGTGGTCATCCTCTACGGACCATGAACACTCAAGCAATTGTACACAGTGACTATGGA  
 TGTGCATTCCAGGTACAGAACTGAGGCCCATCAGGATGTGGTGGGAAGATTAAGAAAGG  
 GTTATTCTGCCTCTGCCCTTGTAGAAGTCTCGTCATGATGACCACTTAAATTCTGCC  
 TCTCTCCCCGTTGCCCATGGAGGCTGCCTCCCCACCCGTAGAGATCTTGGTCTTTT  
 G

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_024662 unedited  
 CCGCAATTCTATATCGAGATTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TCAAAAATGTTATTTATTAATAAAATTAATTTTATCCTTACCCTAACCCCTGCAAGCAA  
 GGGGCTTTCCCAACATTTTTTCCCAAATGGATGAAACAGGCCTTGAGGACCCAAATGGG  
 GCTTTCTACATAAACTACAGGATCAGGTTTTTCTGGAACAGGGGCTGCTGGACCCAAA  
 ATGGGAACAGTACAAGACAACATCAGTAAACCCTGGCGCACCTAACCGCGGGCTGCCATG  
 GATGCCGGGACGGACTGGAGTTCCTCTGCTCCAGGTACAAGTTCACAAAAAGAGACCTA  
 TCGGTCCACTTATATCCTCTGGGCACCACAAAAAGCGATGACTTAAGGGCCTTAGGC  
 GGTCAAGAGGCATCGGGGTTCCACATGTGGGGGAATGAGACTAAAAAGCTGGGTTAAAG  
 CAAAATATGACCTTATAGGAAAGGAGGGCCCTGGACTGGGCAGGAATATAGAACTCGTG  
 GCAATCTTAAAAATGGTAGGGCCACCATCAAGTTTTTAAAGACCCATTGGGGAGAGACT  
 TCGCCTTTAACCCAGCTGAGCTCAAAAACCACCAGGCCATAGGCCTATTTTTCGGCCAGTTT  
 TAAGTGTGCCGGCCCTCAGTGCTTTTAAACATTCTCCCTAAAGGGCTATCTTTTGAAAT  
 TTTTCCCTAGACAAAACAAAGCCCGTTTCTTTTACTTTCTCTTCGCTAAGATAAATAACT  
 TTTTGAATTTGAACCTTGTAAATAACACTTTGCTTGTAGGATCTTGTGACCTTATCTCT  
 TATTTGGACTTTTAGGTGAAATGAAGGCTCGCCACCTTGTCAAACCTTCTCCCTTCTT  
 TCCACGATATTTTAAAGGGCTTGCCTAACCCACTCCTCTGGGATCCGAAACCT  
 TGCCTG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_024662

**Insert Size:**

4600 bp

**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).

**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:**

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:** [NM\\_024662.1](#), [NP\\_078938.1](#)

**RefSeq Size:** 4002 bp

**RefSeq ORF:** 3078 bp

**Locus ID:** 55226

**UniProt ID:** [Q9H0A0](#)

**Cytogenetics:** 11p13

**Domains:** DUF699

**Gene Summary:** The protein encoded by this gene is an RNA cytidine acetyltransferase involved in histone acetylation, tRNA acetylation, the biosynthesis of 18S rRNA, and the enhancement of nuclear architecture and chromatin organization. [provided by RefSeq, Oct 2016]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).