

## 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
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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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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ATGCATCGGAAAAAGGTGGATAACCGAATCCGGATTCTCATTGAGAATGGAGTAGCTGAGCGGCAAAGAT
CTCTCTTTGTTGAGTTGGGGATCGAGGAAAAGATCAGGTGGTAATACTTCATCACATGTTATCCAAAGC
AACTGTGAAGGCTCGGCCTTCAGTGCTGGTGTATAAGAAAGAGCTGGGGTTAGCAGTCACCGGAAG
AAAAGAATGCGACAGCTGCAGAAGAAAATAAGAATGGAACACTGAACATAAAGCAGGACGACCCCTTG
AACTCTTCATAGCAGCCACAAACATTCCGCTACTGCTACTACAACGAGACCCACAAGATCTGGGCAATAC
CTTCGGCATGTGTGTGCTGCAGGATTTGAAGCCTTAACTCCAAACTTGTGGCCAGGACTGTAGAAACA
GTGGAAGGTGGTGGGCTAGTGGTCATCCTCCTACGGACCATGAACTCACTCAAGCAATTGTACACAGTGA
CTATGGATGTGCATTCCAGGTACAGAAGTACAGGCCCATCAGGATGTGGTGGGAAGATTTAATGAAAGTT
TATTCTGTCTCTGGCCTCTTGAAGAAGTGTCTCGTCATTGATGACCAGCTCAACATCCTGCCCATCTCC
TCCCACGTTGCCACCATGGAGGCCCTGCCTCCCAGACTCCGGATGAGAGTCTTGGTCTTCTGATCTGG
AGCTGAGGGAGTTGAAGGAGAGCTTGCAGGACACCCAGCCTGTGGGTGTGGTGGACTGCTGAAGAC
TCTAGACCAGGCCAAAGCTGTCTTGAATTTATCGAGGGCATCTCTGAAAAGACCTGAGGAGTACTGTT
GCACTCACAGCTGCTCGAGGACGGGAAAATCTGCAGCCCTGGGATTGGCGATTGCTGGGGCGGTGGCAT
TTGGGTACTCCAATATCTTTGTTACCTCCCAAGCCCTGATAACCTCCATACTCTGTTTGAATTTGTATT
TAAAGGATTTGATGCTCTGCAATATCAGGAACATCTGGATTATGAGATTATCCAGTCTCTAAATCCTGAA
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CAGATGCTGTGAAGCTGGGCCAGGCTGAACTAGTTGTGATTGATGAAGCTGCCGCATCCCCCTCCCCTT
GGTGAAGAGCCTACTTGGCCCCACCTTGTTTTCATGGCATCCACCATCAATGGCTATGAGGACTGCC
CGTCACTGTCCCTCAAGCTAATTCAGCAGCTCCGTCAACAGAGCGCCAGAGCCAGTCAAGCACCCTG
CTGAGAATAAGACCACGACGACAGCAGATTGGCATCAGCGCGGACACTGCATGAGGTTTCCCTCCAGGA
GTCAATCCGATACGCCCTGGGGATGCAGTGGAGAAGTGGCTGAATGACTTGCTGTGCCTGGATTGCCTC
AACATCACTCGGATAGTCTCAGGCTGCCCTTGCTGAACTTGTGAACTGACTATGTTAATAGAGATA
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CTACAAGAACTCTCCCAATGATCTCCAGATGCTCTCCGATGCACCTGCTCACCATCTCTTCTGCCTTCTG
CCTCTGTGCCCCCCACCCAGAATGCCCTTCCAGAAGTGTGCTGTTATCCAGGTGTGCCTTGAAGGGG
AGATTTCTCGCCAGTCCATCTTGAACAGTCTGTCTCGAGGCAAGAAGGCTTCAAGGGACCTGATTCCATG
GACAGTGTGAGAACAGTTCGAAGATCCAGACTTTGGTGGTCTGTCTGGTGAAGGGTCGTTCCGATTGCT
GTTACCCAGATTATCAAGGGATGGGCTATGGCAGCCGTGCTCTGCAGCTGCTGCAGATGACTATGAAG
GCAGGTTTCTTGTCTGGAGGAAAAGGTCCTTGAGACACCACAGGAAATTCACACCGTAAGCAGCGAGGC
TGTCAGCTTGTGGAAGAGGTATCACTCCCGGAAGGACCTGCCTCCTTACTCCTCAAATGAAATGAG
AGGCCTGCCGAACGCCTGGATTACCTGGGTGTTTCTATGGCTTGACCCCAAGGCTCCTCAAGTTCTGGA
AACGAGCTGGATTTGTTCTGTTTATCTGAGACAGACCCGAATGACCTGACCGGAGAGCACTCGTGCAT
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CCTCCCTATGACCTGAAGCGGCTGGAGATGTATTACGGAATATGGTGGACTATCACCTCATCATGGAC
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GAAAAGGCCATTGAGGAGCAGATGGTGGCAGCGAAGGATGTGGTATGGAGCCCACGATGAAGACCCCTCA
GTGACGACCTAGATGAAGCAGCAAAGGAATTTCAAGGAGAAACACAAGAAGGAAGTAGGGAAGCTGAAGAG
CATGGACCTCTGAATACATAATCCGTGGGACGATGAAGAGTGAATGAAGTTTTGAACAAAGCTGGG
CCGAACGCTCGATCATCAGCCTGAAAAGTGACAAGAAAAGGAAGTTAGAGGCCAAACAAGAACCCAAAC
AGAGCAAGAAGTTGAAGAACAGAGAGACAAAGAACAAAAAAGATATGAACTGAAGCGGAAGAAATAG
```

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_024662 unedited  
ATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGAGAGGGACG  
CGTGCCGCGGAGCCAGGCTTACTACGTGACCCGGACACCAGGCATACGCTAGGGGCAGTC  
AGCTGTGCCTTCTTTTCGGAGTTGTTCCGTGCTCCCACGTGCTTCCCCTTCTCCACTGG  
CTGGGATCCCCCGGGCTCGGGGCGCAGTAATAATTTTTCACCATGCATCGGAAAAAGGTG  
GATAACCGAATCCGATTCTCATTGAGAATGGAGTAGCTGAGCGGCAAAGATCTCTCTTT  
GTTGTAGTTGGGGATCGAGGAAAAGATCAGGTGGTAATACTTCATCACATGTTATCCAAA  
GCAACTGTGAAGGCTCGCCCTTCAAGTGTGTGGTGTATAAGAAAGAGCTGGGGTTTAGC  
AGTCACCGGAAGAAAAGAAATGCGACAGCTGCAGAAGAAAATAAAGAATGGAACACTGAAC  
ATAAAGCAGGACGACCCCTTTGAACTCTTCATAGCAGCCACAAACATTCGCTACTGCTAC  
TACAACGAGACCCACAAGATCCTGGGCAATACCTTCGGCATGTGTGTCCTGCAGGGATT  
TGAAGCCTCTACTCCAACTTGCTGGCCAGGACTGTAGAAACAGTGGAAGGTGGTGGGCT  
AGTGGTCATCCTCCTACGGACCATGAACTCACTCAAGCAATTGTACACAGTGACTATGGA  
TGTGCATTCCAGGTACAGAACTGAGGCCATCAGGATGTGGTGGGAAGATTAAGAAAGG  
GTTATTCTGCCTTGCCCTTGTAGAAGTGTCTGTCATGATGACCACTTAAATTCTGCC  
TCTCTCCCCGTTGCCCATGGAGGCTGCCTCCCCACCCGTAGAGATCTTGGTCTTTT  
G

**3' Read Nucleotide Sequence:** >OriGene 3' read for NM\_024662 unedited  
CCGCAATTCTATATCGAGATTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
TCAAAAATGTTATTTATTAATAAAATAAATCTTTATCCTTACCCTAACCCCTGCAAGCAA  
GGGGCCTTTCCCAACATTTTTTCCCAAATGGATGAAACAGGCCTTGAGGACCCAAATGGG  
GCTTTTACATAAACTACAGGATCAGGTTTTTCTGGAACAGGGGTCTGCTGGACCCAAA  
ATGGGAACAGTACAAGACAACATCAGTAAACCTGGCGCACCTAACCGCGGGCTGCCATG  
GATGCCGGGACGGACTGGAGTTCCTCCTGCTCCAGGTACAAGTTCACAAAAAGAGACCTA  
TCGGTCCACTTATCCTCCTGGGCACCACAAAAAGCGATGACTTAAGGGCCTTAGGC  
GGTCAAGAGGCATCGGGTTCACATGTGGGGGAATGAGACTAAAAGCTGGGTTAAAG  
CAAAATATGACCTTATAGGAAAGGAGGGCCCTGGACTGGGCAGGAATATAGAACTCGTG  
GCAACTCTAAAATGGTAGGGCCACCATCAAGTTTTAAAAGACCCATTGGGGAGAGACT  
TCGCCTTTAACACAGCTGAGCTCAAAAACCACCAGGCCATAGGCCTATTTTCGGCCAGTTT  
TAAGTGTGCCGGCCCTCAGTGTCTTTAACATTCTCCCTAAAGGGCTATCTTTTGAAT  
TTTTTCCCTAGACAAAACAAAGCCCGTTTCTTTACTTTCTTCCTCGCTAAGATAAATACT  
TTTTGAATTTGAACCTTGTAAATAACACTTTGCTTGTAGGATCTTGTGACCTTATCTCT  
TATTTGGACTTTTAGGTGAAATGAAGGCTCGCCACCTTGTCAAACTTCTCCCTTCTT  
TCCCACGATATTTTAAAGGGCTTGCCTAACCCACTCCTCTGGGATCCGAAACCT  
TGCGCTG

**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).

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

**RefSeq Size:** 4002 bp

**RefSeq ORF:** 3078 bp

Locus ID: 55226

UniProt ID: [Q9H0A0](#)

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).