

Product datasheet for **SC325376**

NAT10 (NM_001144030) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAT10 (NM_001144030) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAT10
Synonyms:	ALP; Kre33; NET43
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001144030, the custom clone sequence may differ by one or more nucleotides

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ATGCGACAGCTGCAGAAGAAAATAAAGAATGGAACACTGAACATAAAGCAGGACGACCCC
TTTGAACCTTTCATAGCAGCCACAAACATTCGCTACTGCTACTACAACGAGACCCACAAG
ATCCTGGGCAATACCTTCGGCATGTGTGTGCTGCAGGATTTTGAAGCCTTAACTCCAAAC
TTGCTGGCCAGGACTGTAGAAACAGTGAAGGTGGTGGGCTAGTGGTCATCCTCCTACGG
ACCATGAACTCACTCAAGCAATTGTACACAGTGACTATGGATGTGCATTCCAGGTACAGA
ACTGAGGCCCATCAGGATGTGGTGGGAAGATTTAATGAAAGGTTTATTCTGTCTCTGGCC
TCTTGTAAAGAAGTGTCTCGTCATTGATGACCAGCTCAACATCCTGCCATCTCCTCCAC
GTTGCCACCATGGAGGCCCTGCCTCCCCAGACTCCGGATGAGAGTCTTGGTCCTTCTGAT
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GACTGCTGTAAGACTCTAGACCAGGCCAAAGCTGTCTTGAATTTATCGAGGGCATCTCT
GAAAAGACCTGAGGAGTACTGTTGCACTCACAGCTGCTCGAGGACGGGAAAATCTGCA
GCCCTGGGATTGGCGATTGCTGGGGCGGTGGCATTGGGTACTCCAATATCTTTGTTACC
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CTGCAATATCAGGAACATCTGGATTATGAGATTATCCAGTCTCTAAATCCTGAATTAAC
AAAGCAGTGATCAGAGTGAATGTATTTGAGAACACAGGCAGACTATTCAGTATATACAT
CCTGCAGATGCTGTGAAGCTGGGCCAGGCTGAACTAGTTGTGATTGATGAAGCTGCCGCC
ATCCCCCTCCCCTTGGTGAAGAGCCTACTTGGCCCCTACCTTGTTTTCATGGCATCCACC
ATCAATGGCTATGAGGGCACTGGCCGGTCACTGTCCCTCAAGCTAATTCAGCAGCTCCGT
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AGATTGGCATCAGCGGGACACTGCATGAGGTTTCCCTCCAGGAGTCAATCCGATACGCC
CCTGGGGATGCAGTGGAGAAGTGGCTGAATGACTTGTCTGTGCCTGGATTGCCTCAACATC
ACTCGGATAGTCTCAGGCTGCCCTTGCCTGAAGCTTGTGAAGTACTATGTTAATAGA
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TACGTGGCTTCTCACTACAAGAACTCTCCAATGATCTCCAGATGCTCTCCGATGCACCT
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TTCCAAGATCCAGACTTTGGTGGTCTGTCTGGTGAAGGGTCTGTCGATTGCTGTTTAC
CCAGATTATCAAGGGATGGGCTATGGCAGCCGTGCTCTGCAGCTGCTGCAGATGACTAT
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TATGGCTTGACCCCCAGGCTCCTCAAGTTCTGGAACGAGCTGGATTTGTTTCTGTTTAT
CTGAGACAGACCCGAATGACCTGACCGGAGAGCACTCGTGCATCATGCTGAAGACGCTC
ACTGATGAGGATGAGGCTGACCAGGGAGGCTGGCTTGCAGCCTTCTGGAAGATTTCCGA
CGGCGGTTCTAGCCTTGTCTCCTACCAGTTCAGTACCTTCTCTCCTTCCCTGGCTCTG
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CTGGAAGCACTTCTCCTCCCTATGACCTGAAGCGGCTGGAGATGATTACGGAATATG
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CAGCTGGGGACCTGGCCCTGTCTGCGGCTCAGTGGCTTCTCTTGGGGATTGGCCTG
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CTCAGTGACGACCTAGATGAAGCAGCAAAGGAATTTAGGAGAAAACAAGAAGGAAGTA
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AATGAAGTTTTGAACAAAGCTGGCCGAACGCCTCGATCATCAGCCTGAAAAGTGACAAG
AAAAGGAAGTTAGAGGCCAAACAAGAACCACAGAGCAAGAAGTTGAAGAACAGAGAG
ACAAAAGAACAAAAAGATATGAAACTGAAGCGGAAGAAA

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Restriction Sites:	Please inquire
ACCN:	NM_001144030
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001144030.1</u> , <u>NP_001137502.1</u>
RefSeq Size:	3843 bp
RefSeq ORF:	2862 bp
Locus ID:	55226
UniProt ID:	<u>Q9H0A0</u>
Cytogenetics:	11p13
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks two exons in the 5' coding region and uses a downstream start codon, compared to variant 1. Isoform b has a shorter N-terminus, compared to isoform a.</p>