

## Product datasheet for SC112052

### NAA40 (NM\_024771) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NAA40 (NM_024771) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAA40
Synonyms:	hNatD; NAT11; NatD; PATT1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112052 sequence for NM_024771 edited (data generated by NextGen Sequencing)

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ATGGGGAGAAAAGTCAAGCAAAGCCAAGGAGAAGAAGCAGAAGCGTTGGAGGAGCGAGCA
GCCATGGATGCCGTTTGTGCCAAAGTGGACGCTGCCAACAGGCTTGGAGACCCTCTGGAG
GCTTCCCAAGTGTCAAGAAATATGATAGAAACGGTTGAATGTCTCCATTGAATGTAAG
CGAGTGTCTGGACTGGAGCCAGCCACCGTGGATTGGGCCTTCGACCTGACCAAAACGAAT
ATGCAAACCATGTATGAGCAGAGCGAGTGGGGCTGGAAGGACCGAGAGAAAACGGGAGGAA
ATGACAGATGACCGAGCCTGGTACCTCATCGCGTGGGAAAACAGCTCCGTCCTGTTGCC
TTTTCTCACTTCCGGTTTGACGTGGAGTGTGGGGATGAAGTCTGTACTGCTATGAAGTG
CAGTTGAAAAGCAAGGTGCGGCGAAAAGCCTGGGGAAGTTCCTACATACAGATCCTGCAG
CTCATGGCCAACAGCACACAGATGAAGAAGGTTATGTTAACAGTATTTAAACACAATCAT
GGTGCCTACCAGTTCTTCAGAGAAGCGTTGCAATTTGAAATTGATGACTTCCCCCAGC
ATGTCCGTTGCTGTGGGAGGATTGCTCCTATGAGATCCTGAGCCGGAGGACCAAGTTT
GGGGACAGCCATCACTCCACGCGGGTGGGCACTGTGGTGGCTGCTGCCACTGA

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Clone variation with respect to NM\_024771.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_024771 unedited</p> <pre> NGTCAAAATTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACGAGGGCCACCGCC GTTGCCGCTCCCTGCCGCAAGTGTGTGAAGAAGAAGCTGAGCGTTGTCGCCGCCGCTA TGGGGAGAAAAGTCAAGCAAAGCCAAGGAGAAGAAGCAGAAGCGGTTGGAGGAGCGAGCAG CCATGGATGCCGTTTGTGCCAAAGTGGACGCTGCCAACAGGCTTGAGACCCTCTGGAGG CTTTCCAGTGTCAAGAAATATGATAGAAACGGGTTGAATGTCTCCATTGAATGAAGC GAGTGTCTGGACTGGAGCCAGCCACCGTGGGCTTCGACCTGACCAAAACGAATA TGCAAACCATGTATGAGCAGAGCGAGTGGGGCTGGAAGGACCGAGAGAAACGGGAGGAAA TGACAGATGACCGAGCCTGGTACCTCATCGCGTGGGAAAACAGCTCCGTCCTGTGCTT TTTCTCACTTCCGGTTTACGCTGGAGTGTGGGGATGAAGTCTGTACTGCTATGAAGTGC AGTTGGAAAGCAAGGTGCGGGGAAAGGCTGGGGAAGTTCCTCATACAGATCCTGCAGC TCATGGCCAACAGCACACAGATGAAGAAGGTTATGTTAACAGTATTTAAACACAATCATG GTGCTACCAGTCTTTCAGAGAAGCGTTGCAATTTGAAATTGATGACTCTCCCCAGCA TGTCCGGTTGCTGTGGNAGGATTGCTCCTATGAGATCCTGAGCCGGAGACCAAGTTTGG GGACAGCCATCACTCCCACGCGGTGGGCACTGTGGTGGCTGCTGNCAGTGAAGTCTCAG AGCCACTTTCAAGTCACAATGCTCTCTTCTAAGGCCTTCTCTTTCTGGTCTCACTGT CAACCGGGTGTCTCAGAGCTGTGC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_024771 unedited</p> <pre> AGCTCTGGACCCGCGGCCGCAATCTAGGGTCGAGTTTTTTTTTTTTTTTTTTTGGAGATGG AGTCTCACTCTGTCGCTAGGCTGGAGTGAATGGCGTATCTCAGCTCACCACAACCTC CACCTCCTGGGTTCAAGCGAGTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGC CACAACACGCTGGCTAATTTTTGTATTTTTTAGTAGAGATGGGCTTTTGCCATGTTGA CCAGGCTGGTCTTGAACCTCTGACCTCAGGTGACCCGCCTGCCTCAGCCTCCCAAAGTGC TGGGATTACAGGTGAAGCCACCGCACTCAGCCATGCCTGCTGTTTCTCAAACCAAGAC CTGGGGGAAGCGGAGAAAGATGGATGTTTTGTTACACCAACGCCTCCCCTCCCCCCCCTC ACTCCCCCTTTTTACCTCGTCCCTCCCTCCCTCCCTCCCCCTCCCCGTTTCTCTCTT TTTTCCCCCCCCCCCCCATCTTTCCCTCCCCCTCCTTTCCCTCCCCCTCCTCTCCA TTTCCCGTTTTCTCCCCCTCCCTTTTCCCCCTCTCCTTCCCCTCCCCCTTTCCCC TCCTCTTCTTCTTTTCTCCTTCCCTTTTTTCCCCCCTCCCTCCTTTCTCCTCCCC TTCTCCTGTTTCCCTTCTCTCTCTTACATCCCTTCCCACATAACATTTTCCATCCC CCTCCTCCCGCCCCCTTCCCTATCTCTTCCCCCTCTTCCCCCTTCCCTTTCTCCCTTT CCCTTCTTCCCATCTCCTTTTCTTCTTCCCTATTAATTATCTCCCCCTCTTCCCC TTCGTTCACTCCCATTTAAACCCCCCCCCCTTCTCCCCCCTTCTTTCCCTTCCC TTTTCTCCACACCCCCCTTCTCATCTCCTTCCCCCCTCCCTTCTCCC </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_024771
<b>Insert Size:</b>	3570 bp
<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>	<u>NM_024771.1, NP_079047.1</u>
<b>RefSeq Size:</b>	3303 bp
<b>RefSeq ORF:</b>	714 bp
<b>Locus ID:</b>	79829
<b>UniProt ID:</b>	<u>Q86UY6</u>
<b>Cytogenetics:</b>	11q13.1
<b>Domains:</b>	Acetyltransf
<b>Gene Summary:</b>	<p>N-alpha-acetyltransferase that specifically mediates the acetylation of the N-terminal residues of histones H4 and H2A (PubMed:21935442, PubMed:25619998). In contrast to other N-alpha-acetyltransferase, has a very specific selectivity for histones H4 and H2A N-terminus and specifically recognizes the 'Ser-Gly-Arg-Gly sequence' (PubMed:21935442, PubMed:25619998). Acts as a negative regulator of apoptosis (PubMed:26666750). May play a role in hepatic lipid metabolism (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>