

## Product datasheet for **SC114456**

### N acetyl transferase 5 (NAA20) (NM\_016100) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	N acetyl transferase 5 (NAA20) (NM_016100) Human Untagged Clone
Tag:	Tag Free
Symbol:	N acetyl transferase 5
Synonyms:	dj1002M8.1; NAT3; NAT3P; NAT5; NAT5P
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114456 sequence for NM_016100 edited (data generated by NextGen Sequencing)

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ATGACCACGCTACGGCCTTTACCTGCGACGACCTGTTCCGCTTCAACAACATTAACCTTG
GATCCACTTACAGAACTTATGGGATTCTTTCTACCTACAATACCTCGCCCACTGGCCA
GAGTATTTTCATTGTTGCAGAGGCACCTGGTGGAGAATTAATGGGTTATATTATGGGTA
GCAGAAGGCTCAGTAGCTAGGAAGAATGGCACGGGCACGTCACAGCTCTGTCTGTTGCC
CCAGAATTTTCGACGCCTTGGTTTGGCTGCTAACTTATGGAGTTACTAGAGGAGATTTCA
GAAAGAAAGGGTGGATTTTTTGTGGATCTCTTTGTAAGAGTATCTAACCAAGTTGCAGTT
AACATGTACAAGCAGTTGGGCTACAGTGTATATAGGACGGTCATAGAGTACTATTCGGCC
AGCAACGGGGAGCCTGATGAGGACGCTTATGATATGAGGAAAGCACTTTCCAGGGATACT
GAGAAGAAATCCATCATACCATTACCTCATCCTGTGAGGCCTGAAGACATTGAATAA
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Clone variation with respect to NM\_016100.4



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_016100 unedited</p> <pre>TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGGCCTCGTGCCGATTCGGCA CGAGGGTCTTCGGAAGCGGCGGCGCGGATGACCACGCTACGGGCTTTACCTGCGACG ACCTGTTCCGCTTCAACAACATTAACCTGGATCCACTTACAGAACTTATGGGATTCCTT TCTACCTACAATACCTCGCCACTGGCCAGAGTATTTTCATTGTTGCAGAGGCACCTGGTG GAGAATTAATGGGTTATATTATGGGTAAGCAGAAGGCTCAGTAGCTAGGGAAGAATGCC ACGGGCACGTCACAGCTCTGTCTGTTGCCCCAGAATTTGACGCCTTGGTTTGGCTGCTA AACTTATGGAGTTACTAGAGGAGATTTTCAGAAAGAAAGGGTGGATTTTTTGTGGATCTCT TTGTAAGAGTATCTAACCAAGTTGCAGTTAACATGTACAAGCAGTTGGGCTACAGTGTAT ATAGGACGGTCATAGAGTACTATTTCGGCCAGCAACGGNGAGCCTGATGAGGACGCTTATG ATATGAGGAAAGCACTTCCAGGGATACTGAGAAGAAATCCATCATACCATACCTCATC CTGTGAGGCTGAAGACATTGAATAACCCTGGGCAGTGGTTCTTAGGCAGATACTCTAGA TGCTTTATGGACAATATTATTTTCATTGGATGATTCTGGAGCTCTATTANGAGAAAAAGT ATCATTTTAGGTCTTAAAGACTTCAGAAAATACAGGTTATCAATNTATTNTAAATCTCAT TGTTTCCAGTTAGCAATATCATACCTATTNAAGCTGTTTCATTGGTACANAATNNNCATCA AAAGCCAGCTAGTCAGAAGGAAACATACACTCTCATGGTNATAGAATCACTGTATGTATG CTAGGGAAGACTGCTCCATCTCCCTCTCAGTCTG</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_016100 unedited</p> <pre>GCAATCTAGTATCGAGTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTAGTCAATAATGTATTAT ACATCTTAAATTTATACATTTTCATATATGCTTTTAAAGCTTCAATTAACAGTTCAATACA AAATTTAAAAACAATATATGCAGCAGTGGTTCAGGCACAGAAGTGGAGGAGACTG GAGCAAGTCTTTTCCCTAGCATACATACAGTGAATACTATGAACCATGAGAGTGGTATGT TTCTTCTGACCTAGCTGCCTTTTTGATTGAATTTTGTACAATGAACAGCTTAAATAGG TATGATATTGCTAACTGGAACAATGAGATTTAAATAAATTGATAACCTGTATTTTCTT GAAGTCTTTAAGACCTAAAATGATTACTTTTCTCCTAATAGAGCTCCAGAATCATCCAAT GAAAATAATATTGTCCATAAAGCATCTAGAGTATCTGCCTAAGAACCCTGCCAGGGTT ATTCAATGTCTTCAGGCCTCACAGGATGAGGTAATGGTATGATGGATTTCTTCTCAGTAT CCCTGGAAGAGCTTTCCTCATATCATAAGCGTCTCATCAGGCTCCCGTTGCTGGCCG AATAGTACTCTATGACCGTCTATATACACTGTAGCCCAACTGCTNGTACATGTTAACTG CAACTTGGTTAGATACTTTTTACAAGAGATCCACAAAAATCCACCCCTTTCTTTCTGAA ATCTCCTCTAGTAACTCCATAAGTTTAGCAGCCCAACCAAGGCGTTGAAAATCCTGGGCA ACAGACAGAGCTGTGACGTGCCCGTGCATTTTTTCTACTACTGAGCCTTCTGCTTAACC ATAATATACCCTAATTCTCACCAGGTGCTCTGCACATGAAATACTCTGCCAGGGGCCAG TATTGTAGAAAAGGATCCCTAAGTTCGTAATGGATCATTAAATGTGTGACCGACACGTCTC CAAGTAAGCCCTACGGGTATCCCCCCCCGCTTCAAAACTC</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016100
<b>Insert Size:</b>	1070 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>	<a href="#">NM_016100.2</a> , <a href="#">NP_057184.1</a>
<b>RefSeq Size:</b>	1360 bp
<b>RefSeq ORF:</b>	537 bp
<b>Locus ID:</b>	51126
<b>UniProt ID:</b>	<a href="#">A6NHA3</a>
<b>Cytogenetics:</b>	20p11.23
<b>Domains:</b>	Acetyltransf
<b>Protein Pathways:</b>	Glycerophospholipid metabolism, Limonene and pinene degradation, Phenylalanine metabolism, Tyrosine metabolism
<b>Gene Summary:</b>	NAT5 is a component of N-acetyltransferase complex B (NatB). Human NatB performs cotranslational N(alpha)-terminal acetylation of methionine residues when they are followed by asparagine (Starheim et al., 2008 [PubMed 18570629]).[supplied by OMIM, Apr 2009] Transcript Variant: This variant (1) encodes the longest isoform (a).