

## Product datasheet for RC217832

### NAA60 (NM\_024845) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NAA60 (NM_024845) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NAA60
Synonyms:	HAT4; hNaa60; NAT15; NatF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217832 representing NM_024845 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGACAGAGGTGGTGCCATCCAGCGCGCTCAGCGAGGTGAGCTGCGCCTCCTCTGCCACGATGACATAG  
 ACGTGTGAAGCACCTGTGTGGCGACTGGTTCCTCATCGAGTACCCAGACTCATGGTATCGTGATATCAC  
 ATCCAACAAGAAGTTCTTTCCCTTGCTGCAACCTACAGAGGTGCCATTGTGGGAATGATAGTAGCTGAA  
 ATTAAGAACAGGACCAAAATACATAAAGAGGATGGAGATATTCTAGCATCCAATTCTCTGTTGACACAC  
 AAGTCGCGTACATCCTAAGTCTGGCGTCTGAAAGAGTTCAGGAAGCACGGCATAGGTTCCCTCTTACT  
 TGAAAGTTTAAAGGATCATATCAACCACCGCCAGGACCACTGCAAAGCCATTACCTGCATGTCCTC  
 ACCACCAACAACACAGCAATAAACTTCTATGAAAACAGAGACTTCAAGCAGCACCCTATCTCCCCTATT  
 ACTACTCCATTCGAGGGGTCTCAAAGATGGCTTACCTATGTCCTCTACATCAACGGCGGGCACCTCC  
 CTGGACGATTTTGGACTACATCCAGCACCTGGGCTCTGCACTAGCCAGCCTGAGCCCTGCTCCATTCCG  
 CACAGAGTCTACCGCCAGGCCACAGCCTGCTCTGCAGCTTCTGCCATGGTCGGGCATCTCTCCAAGA  
 GTGGCATCGAGTACAGCCGACCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >RC217832 representing NM\_024845

Red=Cloning site Green=Tags(s)

MTEVVPSSALSEVSLRLLCDDIDTVKHLCDWFPIEYDPDSWYRDITSNKKFFSLAATYRGAIVGMIVAE  
IKNRTKIHKEDGDILASNSVDTQVAYILSLGVVKEFRKHGIGSLLLESLKDHISTTAQDHCKAIYHLVL  
TTNNTAINFYENRDFKQHLYLPYYISIRGLVKDGFYVLYINGGHPPWTILDYIQHLGSALASLSPCSIP  
HRVYROAHSLLCSFLPWSGISSKSGIEYSRTM

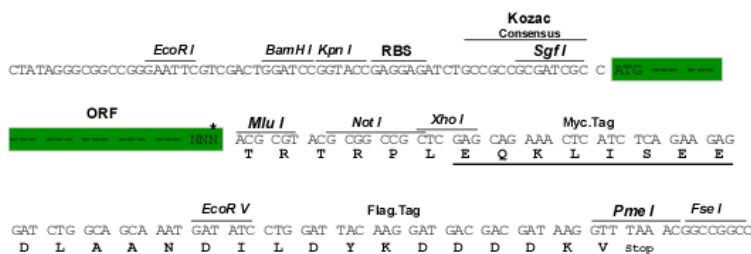
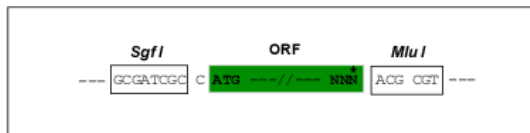
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6483\\_e10.zip](https://cdn.origene.com/chromatograms/mk6483_e10.zip)

Restriction Sites: Sgfl-MluI

### Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN: NM 024845

ORF Size: 726 bp

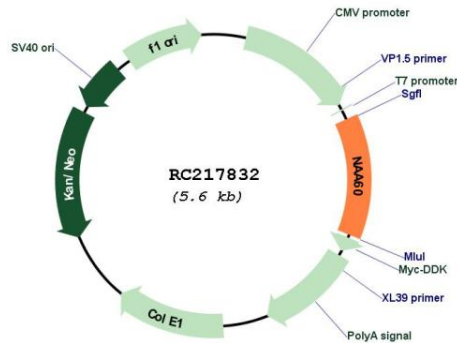
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

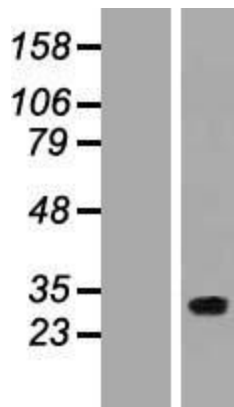
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_024845.1, NP_079121.1</u>
<b>RefSeq Size:</b>	2553 bp
<b>RefSeq ORF:</b>	729 bp
<b>Locus ID:</b>	79903
<b>UniProt ID:</b>	<u>Q9H7X0</u>
<b>Cytogenetics:</b>	16p13.3
<b>Domains:</b>	Acetyltransf
<b>MW:</b>	27.3 kDa
<b>Gene Summary:</b>	<p>This gene encodes an enzyme that localizes to the Golgi apparatus, where it transfers an acetyl group to the N-terminus of free proteins. This enzyme acts on histones, and its activity is important for chromatin assembly and chromosome integrity. Alternative splicing and the use of alternative promoters results in multiple transcript variants. The upstream promoter is located in a differentially methylated region (DMR) and undergoes imprinting; transcript variants originating from this position are expressed from the maternal allele. [provided by RefSeq, Nov 2015]</p>

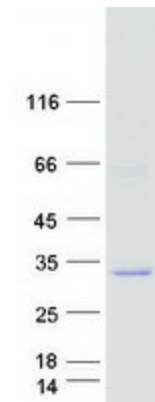
## Product images:



Circular map for RC217832



Western blot validation of overexpression lysate (Cat# [LY421226]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC217832] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NAA60 protein (Cat# [TP317832]). The protein was produced from HEK293T cells transfected with NAA60 cDNA clone (Cat# RC217832) using MegaTran 2.0 (Cat# [TT210002]).