OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC213483

NAA60 (NM_001083601) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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:

>RC213483 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAGAGGTGGTGCCATCCAGCGCGCTCAGCGAGGTCAGCCTGCGCCTCCTCTGCCACGATGACATAG
ACACTGTGAAGCACCTGTGTGGCGACTGGTTCCCCATCGAGTACCCAGACTCATGGTATCGTGATATCAC
ATCCAACAAGAAGTTCTTTTCCCTTGCTGCAACCTACAGAGGTGCCATTGTGGGAATGATAGTAGCTGAA
ATTAAGAACAGGACCAAAATACATAAAGAGGATGGAGATATTCTAGCATCCAACTTCTCTGTTGACACAC
AAGTCGCGTACATCCTAAGTCTGGGCGTCGTGAAAGAGTTCAGGAAGCACGGCATAGGTTCCCTCTTACT
TGAAAGTTTAAAGGATCACATATCAACCACCGCCCAGGACCACTGCAAAGCCATTTACCTGCATGTCCTC
ACCACCAACAACACAGCAATAAACTTCTATGAAAACAGAGACTTCAAGCAGCACCACTATCTCCCCTATT
ACTACTCCATTCGAGGGGTCCTCAAAGATGGCTTCACCTATGTCCTCTACATCAACGGCGGGCACCCTCC
CTGGACGATTTTGGACTACATCCAGCACCTGGGCTCTGCACTAGCCAGCCTGAGCCCCTGCTCCATTCCG
CACAGAGTCTACCGCCAGGCCCACAGCCTGCTCTGCAGCTTCCTGCCATGGTCGGGCATCTCTTCCAAGA
GTGGCATCGAGTACAGCCGGACCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC213483 protein sequence
Red=Cloning site Green=Tags(s)

MTEVVPSSALSEVSLRLLCHDDIDTVKHLCGDWFPIEYPDSWYRDITSNKKFFSLAATYRGAIVGMIVAE
IKNRTKIHKEDGDILASNFSVDTQVAYILSLGVVKEFRKHGIGSLLLESLKDHISTTAQDHCKAIYLHVL
TTNNTAINFYENRDFKQHHYLPYYYSIRGVLKDGFTYVLYINGGHPPWTILDYIQHLGSALASLSPCSIP
HRVYRQAHSLLCSFLPWSGISSKSGIEYSRTM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

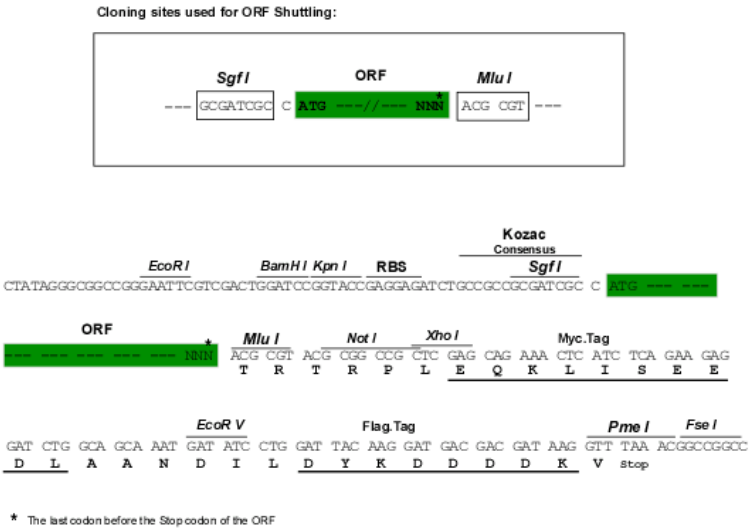
Chromatograms:

https://cdn.origene.com/chromatograms/mk6483_e10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001083601

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:

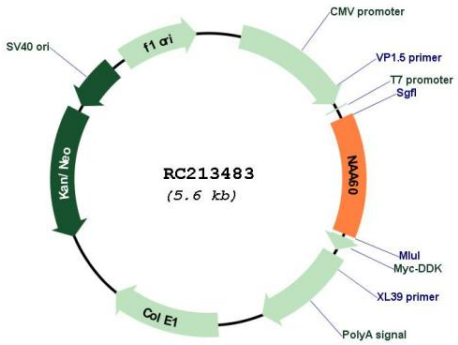
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

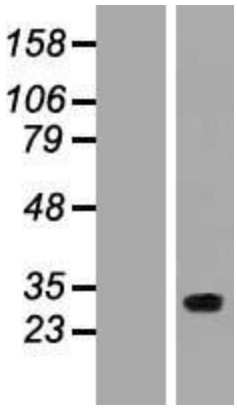
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001083601.3
RefSeq Size:	2692 bp
RefSeq ORF:	729 bp
Locus ID:	79903
UniProt ID:	Q9H7X0
Cytogenetics:	16p13.3
MW:	27.5 kDa
Gene Summary:	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]

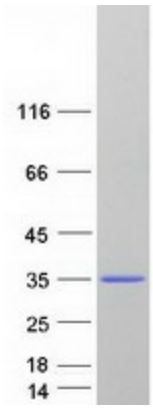
Product images:



Circular map for RC213483



Western blot validation of overexpression lysate (Cat# [LY421226]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC224843] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NAA60 protein (Cat# [TP313483]). The protein was produced from HEK293T cells transfected with NAA60 cDNA clone (Cat# RC213483) using MegaTran 2.0 (Cat# [TT210002]).