

## NAA10 cDNA

Catalog Number: ATGD0066

### PRODUCT INFORMATION

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**Catalog number**

ATGD0066

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_003482.1

**Alternative Names**

ARD1, ARD1A, ARD1P, DXS707, MCOPS1, NATD, TE2

**mRNA Refseq**

NM\_003491.3

**OMIM**

300013

**Chromosome location**

Xq28

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

708bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted Nde I to BamH I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

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NAA10 belongs to the acetyltransferase family. NAA10 interacts NAA15, HIF-1 with the ribosome. In its binding to HIF-1, NAA10 acts as a protein acetyltransferase by regulating its stability. In many cell lines, NAA10 is downregulated in response to hypoxia. NAA10 is expressed throughout the development of the brain.

### DATA

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#### Sequence nucleotides

```
ATGAACATCC GCAATGCGAG GCCAGAGGAC CTAATGAACA TGCAGCACTG CAACCTCCTC TGCCTGCCCCG
AGAACTACCA GATGAAATAC TACTTCTACC ATGGCCTTTC CTGGCCCCAG CTCTCTTACA TTGCTGAGGA
CGAGAATGGG AAGATTGTGG GGTATGTCCT GGCCAAAATG GAAGAGGACC CAGATGATGT GCCCCATGGA
CATATCACCT CATTGGCTGT GAAGCGTTCC CACCGGCGCC TCGGTCTGGC TCAGAAACTG ATGGACCAGG
CCTCTCGAGC CATGATAGAG AACTTCAATG CCAAATATGT CTCCTGCAT GTCAGGAAGA GTAACCGGGC
CGCCCTGCAC CTCTATTCCA ACACCCTCAA CTTTCAGATC AGTGAAGTGG AGCCCAAATA CTATGCAGAT
GGGGAGGACG CCTATGCCAT GAAGCGGGAC CTCACTCAGA TGGCCGACGA GCTGAGGCGG CACCTGGAGC
TGAAAGAGAA GGGCAGGCAC GTGGTGCTGG GTGCCATCGA GAACAAGGTG GAGAGCAAAG GCAATTCACC
TCCGAGCTCA GGAGAGGCCT GTCGCGAGGA GAAGGGCCTG GCTGCCGAGG ATAGTGGTGG GGACAGCAAG
GACCTCAGCG AGGTCAGCGA GACCACAGAG AGCACAGATG TCAAGGACAG CTCAGAGGCC TCCGACTCAG
CCTCCTAG
```

#### Transaction Sequence

```
MNIRNARPED LMNMQHCHLL CLPENYQMKY YFYHGLSWPQ LSYIAEDENG KIVGYVLAKM EEDPDDVPHG HITS LAVKRS
HRRLGLAQKL MDQASRAMIE NFNAKYVSLH VRKSNRAALH LYSNTLNFQI SEVEPKYYAD GEDAYAMKRD LTQMADLRR
HLELKEKGRH VVLGAIENKV ESKGNSPPSS GEACREEKGL AAEDSGGDSK DLSEVSETTE STDVKDSSEA SDSAS
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