

Product datasheet for MC206879

Naa10 (NM_001177965) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Naa10 (NM_001177965) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Naa10
Synonyms:	2310039H09Rik; Ard1; Ard1a; Te2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206879 representing NM_001177965. Blue=ORF Red=Cloning site Green=Tag(s)

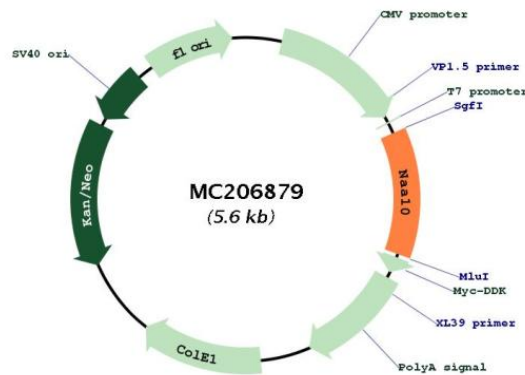
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACATCCGCAATGCTAGGCCGAAGACCTGATGAACATGCAGCACTGCAACCTTCTCTGCCTGCCG
GAGAACTACCAGATGAAGTACTATTTCTATCATGGCCTCTCTGGCCCCAGCTTTCTTACATTGCTGAG
GATGAGAATGGGAAGATTGTGGGCTACGTCTTGCTAAAATGGAAGAGGACCCAGACGATGTGCCCAT
GGACATATCACCTCACTGGCTGTGAAGCGTTCCCACGGCGCCTTGGCCTGGCTCAGAAGCTGATGGAC
CAGGCCTCTCGAGCCATGATAGAGAACTCAATGCCAAATACGTCTCCCTGCATGTCAGGAAGAGTAAC
AGGGCCGCCCTGCATCTCTATTCCAACACCTCAACTTTCAGATCAGCGAAGTGGAGCCCAATACTAT
GCAGATGGGAAGATGCGTATGCAATGAAGCGGGACCTCACGCAGATGGCTGATGAGCCAGCCTCAGGG
CCTGGCTCCTCTTGTCTCCTGTCTGGAGACTTAGGCCCTGTCTCTTTCCACCCGCTTCCCTCTGGGCTC
CTGGCGGCAGCTGAGCGGCACCTGGAGCTGAAGGAAAAGGGCAAGCACATGGTTCTGGCGGCCTTGGGA
GAACAAAGCGGAGAACAAGGCAACGTGCTTCTGAGCTCAGGAGAGGCCTGTCGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_001177965

Insert Size: 678 bp

OTI Disclaimer: 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).

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.

RefSeq: [NM_001177965.1](#)

RefSeq Size: 1056 bp

RefSeq ORF: 678 bp

Locus ID: 56292

Cytogenetics: X A7.3

MW: 24.8 kDa

Gene Summary: Catalytic subunit of the N-terminal acetyltransferase A (NatA) complex which displays alpha (N-terminal) acetyltransferase activity (PubMed:12888564). Acetylates amino termini that are devoid of initiator methionine (By similarity). The alpha (N-terminal) acetyltransferase activity may be important for vascular, hematopoietic and neuronal growth and development (By similarity). Without NAA15, displays epsilon (internal) acetyltransferase activity towards HIF1A, thereby promoting its degradation (PubMed:12464182). Represses MYLK kinase activity by acetylation, and thus represses tumor cell migration (By similarity). Acetylates, and stabilizes TSC2, thereby repressing mTOR activity and suppressing cancer development (By similarity). Acetylates HSPA1A and HSPA1B at 'Lys-77' which enhances its chaperone activity and leads to preferential binding to co-chaperone HOPX (By similarity). Acts as a negative regulator of sister chromatid cohesion during mitosis (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The resulting protein (isoform 2) has a shorter and distinct C-terminus compared to isoform 1.