

Product datasheet for **MC210033**

Naa10 (NM_019870) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Naa10 (NM_019870) 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:	>MC210033 representing NM_019870 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACATCCGCAATGCTAGGCCGAAGACCTGATGAACATGCAGCACTGCAACCTTCTCTGCCTGCCGG
AGAACTACCAGATGAAGTACTATTTCTATCATGGCCTCTTTGGCCCCAGCTTTCTTACATTGCTGAGGA
TGAGAAATGGGAAGATTGTGGCTACGTCTGGCTAAAAATGGAAGAGGACCCAGACGATGTCCCCATGGA
CATATCACCTCACTGGCTGTGAAGCGTCCACCAGCCGCTTGGCTGGCTCAGAAGCTGATGGACCAGG
CCTCTCGAGCCATGATAGAGAATTCAATGCCAAATACGTCTCCCTGCATGTCAGGAAGAGTAACAGGGC
CGCCTGCATCTCTATTCCAACACCCTCAACTTTCAGATCAGCGAAGTGGAGCCAAATACTATGCAGAT
GGGGAAGATGCGTATGCAATGAAGCGGGACCTCACGCAGATGGCTGATGAGCTGAGGCGGCACCTGGAGC
TGAAGGAAAAGGGCAAGCACATGGTTCTGGCGCCTTGGAGAACAAGCGGAGAACAAGGCAACGTGCT
TCTGAGCTCAGGAGAGGCTGTGCGTGAGGAGAAGGGCCTGGCTGCTGAGGATAGTGGTGGGGACAGCAAG
GACCTCAGTGAGGTCAGCGAGACCACAGAGAGCACAGATGTCAAAGACAGCTCAGAGGCCTCTGACTCTG
CCTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_019870
Insert Size:	708 bp



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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:	<ol style="list-style-type: none">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_019870.3 , NP_063923.1
RefSeq Size:	965 bp
RefSeq ORF:	708 bp
Locus ID:	56292
UniProt ID:	Q9QY36
Cytogenetics:	X A7.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the shortest transcript but encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>