

## Product datasheet for **SC330366**

### ARD1A (NAA10) (NM\_001256119) Human Untagged Clone

#### Product data:

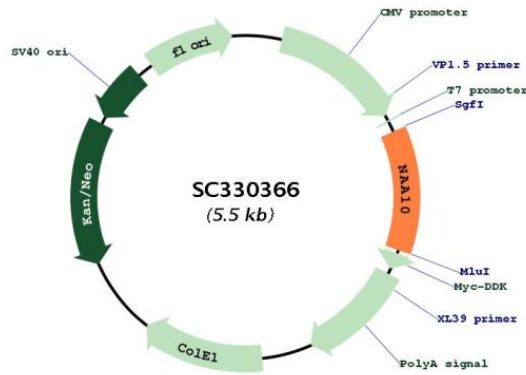
Product Type:	Expression Plasmids
Product Name:	ARD1A (NAA10) (NM_001256119) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAA10
Synonyms:	ARD1; ARD1A; ARD1P; DXS707; hARD1; MCOPS1; NATD; OGDNS; TE2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330366 representing NM_001256119. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGAACATCCGCAATGCGAGGCCAGAGGACCTAATGAACATGCAGCACTGCAACCTCCTCTGCCTGCC  
GAGAACTACCAGATGAAATACTACTTCTACCATGGCCTTCTCTGGCCCCAGCTCTTTACATTGCTGAG  
GACGAGAATGGGAAGATTGTGGGTATGCTCTGGCCAAAATGGAAGAGGACCCAGATGATGTGCCCAT  
GGACATATCACCTCATTGGCTGTGAAGCGTTCCCACCGGCGCCTCGGTCTGGCTCAGAACTGATGGAC  
CAGGCCTCTCGAGCCATGATAGAGAACTCAATGCCAAAATGTCTCCCTGCATGTCAGGAAGAGGATC  
AGTGAAGTGGAGCCAAATACTATGCAGATGGGGAGGACGCCTATGCCATGAAGCGGACCTCACTCAG  
ATGGCCGACGAGCTGAGCGGCACCTGGAGCTGAAAGAGAAGGGCAGGCACGTGGTGTGGGTGCCATC  
GAGAACAAGGTGGAGAGCAAAGGCAATTCACCTCCGAGCTCAGGAGAGGCCTGTCCGCGAGGAGAAGGC  
CTGGCTGCCGAGGATAGTGGTGGGGACAGCAAGGACCTCAGCGAGGTCAGCGAGACCACAGAGAGCACA  
GATGTCAAGGACAGCTCAGAGGCCTCCGACTCAGCCTCCTAG
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

**Plasmid Map:**


**ACCN:** NM\_001256119

**Insert Size:** 663 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).

<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>RefSeq:</b>	<a href="#">NM_001256119.1</a>
<b>RefSeq Size:</b>	1091 bp
<b>RefSeq ORF:</b>	663 bp
<b>Locus ID:</b>	8260
<b>UniProt ID:</b>	<a href="#">P41227</a>
<b>Cytogenetics:</b>	Xq28
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Glycerophospholipid metabolism, Limonene and pinene degradation, Phenylalanine metabolism, Tyrosine metabolism
<b>MW:</b>	24.8 kDa
<b>Gene Summary:</b>	<p>N-alpha-acetylation is among the most common post-translational protein modifications in eukaryotic cells. This process involves the transfer of an acetyl group from acetyl-coenzyme A to the alpha-amino group on a nascent polypeptide and is essential for normal cell function. This gene encodes an N-terminal acetyltransferase that functions as the catalytic subunit of the major amino-terminal acetyltransferase A complex. Mutations in this gene are the cause of Ogden syndrome. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>