

Product datasheet for **SC320239**

ARD1A (NAA10) (NM_003491) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARD1A (NAA10) (NM_003491) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARD1A
Synonyms:	ARD1; ARD1A; ARD1P; DXS707; hARD1; MCOPS1; NATD; OGDNS; TE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_003491.2</p> <pre> AGCGAGCCAGCTCCGGTCCCAGCCCCGGCCGTCCCGGCGTCGCTTCGGAGCGCGGGCGG AGCTGACTGCGCCTTACGATCCGCTGGGACCCGCGAGCCCCGCCGTTATGAACATC CGCAATGCGAGGCCAGAGGACCTAATGAACATGCAGCACTGCAACCTCCTCTGCCTGCC GAGAACTACCAGATGAAATACTACTTCTACCATGGCCTTCTCGGCCCCAGCTCTCTTAC ATTGCTGAGGACGAGAATGGGAAGATTGTGGGTATGTCCTGGCCAAAATGGAAGAGGAC CCAGATGATGTGCCCATGGACATATCACCTCATTGGCTGTGAAGCGTCCACCGGCGC CTCGGTCTGGCTCAGAACTGATGGACCAGGCCTCTCGAGCCATGATAGAGAACTCAAT GCCAAATATGTCTCCCTGCATGTCAGGAAGAGTAACCGGGCCGCCCTGCACCTCTATTCC AACACCCTCAACTTTTCAGATCAGTGAAGTGGAGCCAAATACTATGCAGATGGGGAGGAC GCCTATGCCATGAAGCGGACCTCACTCAGATGGCCGACGAGCTGAGGCGGCACCTGGAG CTGAAAGAGAAGGCAGGCACGTGGTGTGGGTGCCATCGAGAACAAGGTGGAGAGCAAA GGCAATTCACCTCCGAGCTCAGGAGAGGCCTGTGCGGAGGAGAAGGGCCTGGCTGCCGAG GATAGTGGTGGGGACAGCAAGGACCTCAGCGAGGTGAGCGAGACCACAGAGAGCACAGAT GTCAAGGACAGCTCAGAGGCCTCCGACTCAGCCTCCTAGAGCCTGCCCATCCCCCTCTC ACCCCACGAGCTTTCACAATAAATTTGCTCCGTGGCACTGGGAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_003491
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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_003491.2 , NP_003482.1
RefSeq Size:	916 bp
RefSeq ORF:	708 bp
Locus ID:	8260
UniProt ID:	P41227
Cytogenetics:	Xq28
Domains:	Acetyltransf
Protein Families:	Druggable Genome
Protein Pathways:	Glycerophospholipid metabolism, Limonene and pinene degradation, Phenylalanine metabolism, Tyrosine metabolism
Gene Summary:	<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 (1) represents the longest transcript and encodes the longest isoform (1).</p>