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Product datasheet for RG232212

ARD1A (NAA10) (NM_001256120) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARD1A (NAA10) (NM_001256120) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NAA10
Synonyms:	ARD1; ARD1A; ARD1P; DXS707; hARD1; MCOPS1; NATD; OGDNS; TE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG232212 representing NM_001256120
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACATCCGCAATGCGAGGCCAGAGGACCTAATGAACATGCAGCACTGCAACCTCCTCTGCCTGCCCG
AGAACTACCAGATGAAATACTACTTCTACCATGGCCTTTCCTGGCCCCAGCTCTCTTACATTGCTGAGGA
CGAGAATGGGAAGATTGTGGGGGAAGAGGACCCAGATGATGTGCCCCATGGACATATCACCTCATTGGCT
GTGAAGCGTTCCCACCGGCGCCTCGGTCTGGCTCAGAAACTGATGGACCAGGCCTCTCGAGCCATGATAG
AGAACTTCAATGCCAAATATGTCTCCCTGCATGTCAGGAAGAGTAACCGGGCCGCCCTGCACCTCTATTC
CAACACCCTCAACTTTCAGATCAGTGAAGTGGAGCCCAAATACTATGCAGATGGGGAGGACGCCTATGCC
ATGAAGCGGGACCTCACTCAGATGGCCGACGAGCTGAGGCGGCACCTGGAGCTGAAAGAGAAGGGCAGGC
ACGTGGTGCTGGGTGCCATCGAGAACAAGGTGGAGAGCAAAGGCAATTCACCTCCGAGCTCAGGAGAGGC
CTGTCGCGAGGAGAAGGGCCTGGCTGCCGAGGATAGTGGTGGGGACAGCAAGGACCTCAGCGAGGTCAGC
GAGACCACAGAGAGCACAGATGTCAAGGACAGCTCAGAGGCCTCCGACTCAGCCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

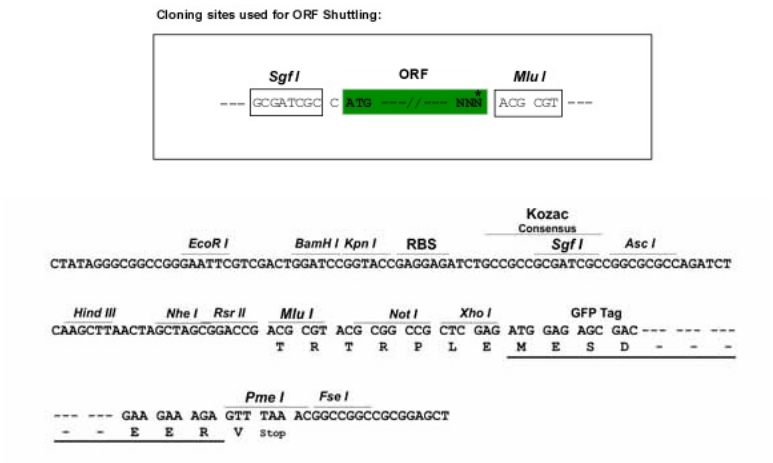
>RG232212 representing NM_001256120
Red=Cloning site Green=Tags(s)

MNIRNARPEDLMNMQHCNLLCLPENYQMKYYFYHGLSWPQLSYIAEDENGKIVGEEDPDDVPHGHITSLA
VKRSHRRLGLAQKLMDQASRAMIENFNAKYVSLHVRKSNRAALHLYSNTLNFQISEVEPKYYADGEDAYA
MKRDLTQMADELRRHLELKEKGRHVVLGAIENKVESKGNSPPSSGEACREEKGLAAEDSGGDSKDLSEVS
ETTESTDVKDSSEASDSAS

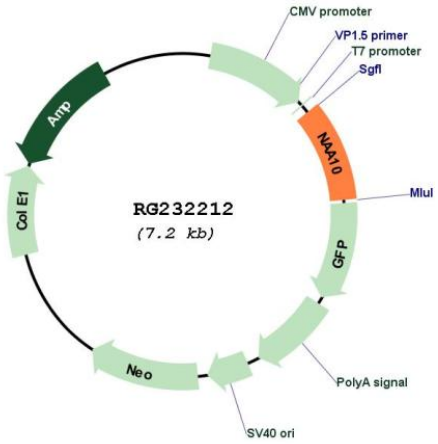
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001256120

ORF Size: 687 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001256120.2
RefSeq Size:	1118 bp
RefSeq ORF:	690 bp
Locus ID:	8260
Cytogenetics:	Xq28
Protein Families:	Druggable Genome
Protein Pathways:	Glycerophospholipid metabolism, Limonene and pinene degradation, Phenylalanine metabolism, Tyrosine metabolism
Gene Summary:	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]