

Product datasheet for **RG216055**

Retinoblastoma binding protein 1 (ARID4A) (NM_023001) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Retinoblastoma binding protein 1 (ARID4A) (NM_023001) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Retinoblastoma binding protein 1
Synonyms:	RBBP-1; RBBP1; RBP-1; RBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216055 representing NM_023001 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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GACAAATTAAAGATAATGATACAGAAAATAAGGATGTAGATGATGACTATGAACTGCAGAGAAAAAG
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

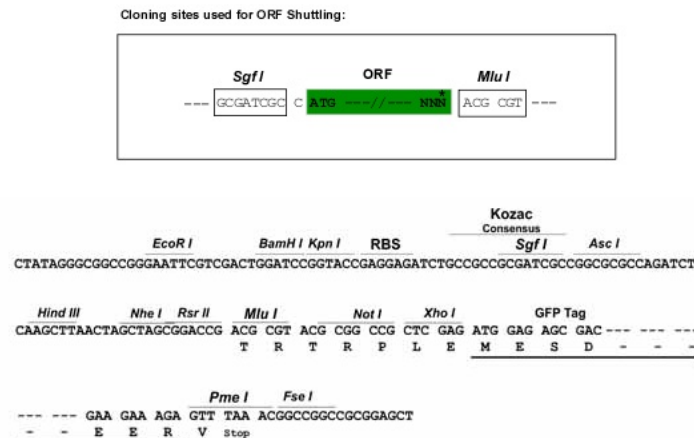
Protein Sequence: >RG216055 representing NM_023001
Red=Cloning site Green=Tags(s)

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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

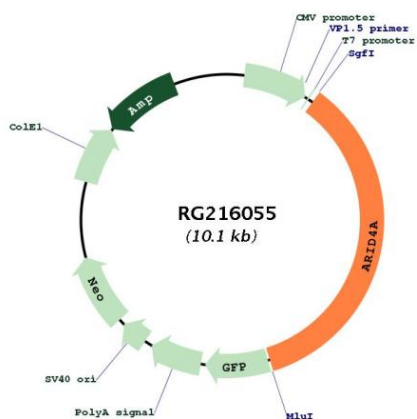


ACCN: NM_023001

ORF Size: 3564 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_023001.2 , NP_075377.2
RefSeq Size:	5585 bp
RefSeq ORF:	3567 bp
Locus ID:	5926
UniProt ID:	P29374
Cytogenetics:	14q23.1
Domains:	CHROMO, ARID, TUDOR
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	The protein encoded by this gene is a ubiquitously expressed nuclear protein. It binds directly, with several other proteins, to retinoblastoma protein (pRB) which regulates cell proliferation. pRB represses transcription by recruiting the encoded protein. This protein, in turn, serves as a bridging molecule to recruit HDACs and, in addition, provides a second HDAC-independent repression function. The encoded protein possesses transcriptional repression activity. Multiple alternatively spliced transcripts have been observed for this gene, although not all transcript variants have been fully described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216055