

Product datasheet for RC235263

BRCAA1 (ARID4B) (NM_001206794) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRCAA1 (ARID4B) (NM_001206794) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARID4B
Synonyms:	BCAA; BRCAA1; RBBP1L1; RBP1L1; SAP180
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC235263 representing NM_001206794 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGAAGGCCCTTGATGAGCCTCCCTATTTGACAGTGGGCACTGATGTGAGTGCTAAATACAGAGGAGCCT
TTTGTGAAGCCAAGATCAAGACAGCAAAAAGACTTGTCAAAGTCAAGGTGACATTTAGACATGATTCCTC
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TCAACATAAAGGTAGAAGCTGAGGAAGAAAAAGCAAAATCTGGAGATGAAACGAATAAAGAAGAAGATGA
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Protein Sequence: >RC235263 representing NM_001206794
 Red=Cloning site Green=Tags(s)

MKALDEPPYLTVGTDVSAKYRGAFCEAIKTAARLVKVKVTFRHDSSTVEVQDDHIKGPLKVGAIIVEVKN
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 SVELEKPPPVNVDKPIEEKTVEVNDRKAEPSSGNSVLTNPPTTPESPSSVTVTEGSRQSSVTYSEP
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 PGKCGKNGDKPDLKEPSNRLPKVYKWSFQMSDLENMTSAERITILQEKLQEKIRKHYLSLKSEVASIDRR
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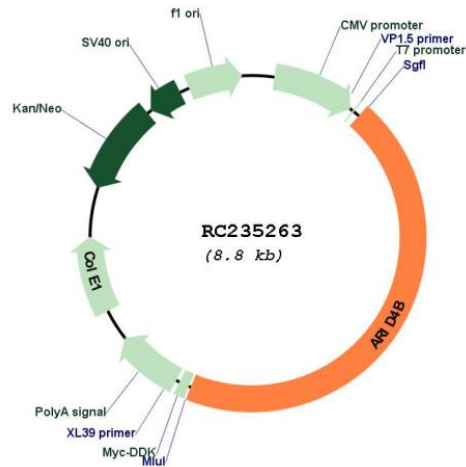
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001206794

ORF Size: 3936 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_001206794.1](#), [NP_001193723.1](#)

RefSeq Size: 5954 bp

RefSeq ORF: 3939 bp

Locus ID: 51742

UniProt ID: [Q4LE39](#)

Cytogenetics: 1q42.3

MW: 148.3 kDa

Gene Summary: This gene encodes a protein with sequence similarity to retinoblastoma-binding protein-1. The encoded protein is a subunit of the histone deacetylase-dependant SIN3A transcriptional corepressor complex, which functions in diverse cellular processes including proliferation, differentiation, apoptosis, oncogenesis, and cell fate determination. The gene product is recognized by IgG antibody isolated from a breast cancer patient and appears to be a molecular marker associated with a broad range of human malignancies. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Jul 2008]