

Product datasheet for RC207885

JARID2 (NM_004973) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | JARID2 (NM_004973) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | JARID2 |
| Synonyms: | JMJ |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC207885 representing NM_004973 Red=Cloning site Blue=ORF Green=Tags(s) |

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GCC**CGATCGCC**

ATGAGCAAGGAAAGACCCCAAGAGGAATATCATTGAGAAGAAATACGATGACAGTGATGGGATTCGTTGGT
CAGAAGAACGGGTGGTACGTAAGTCCTTTATTTGTCTCTGAAGGAGTTCAAGAATCCCAGAAGAGGCA
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GAGCGCAGTCTGGAGAGGAATCGGCCGAAGCGGGCCACGGCCGGGAAGAGCACGCCAGGCAGACAAGCAC
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ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC207885 representing NM_004973
 Red=Cloning site Green=Tags(s)

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MSKERPKRNIIQKKYDSDGIPWSEERVVRKVL YL SLKEFKNSQKRQHAEGIAGSLKTVNGLLGNDQSKG
LGPASEQSENEKDDASQVSSTSNVSSSDFEEGSPSRKRPRLQAQRKFAQSQPNPSTTPVKIVEPLLPPP
ATQISDL SKRKP KTEDFL TFLCLRGSPALPNSMVYFGSSQDEEEVEEEDTEDVKATNNASSSCQSTP
RKGKTHKHVHNGHVFNSSSRSTREKEPVQKHKSKEATPAKEKHSDDRADSRRREQASANHPAAPSTGSSA
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RSKLEKVGQAQLKTGRRRLFAQEKEVVEEEDKGV LNDFHKCIYKGRSVSLTTFYRTARNIMSMCF SKE
PAPAEIEQEYWRLVEEKDCHVAVHCGKVD TNTHGSGFPV GKSEPF SRHGWNLT VLPNNTGSLRHLGAVP
GVTIPWLNIGMVFTSCWSRDQNHLPIIDYLHTGADCIWYCIPAEENKLEDVVHTLLQANGTPGLQMLE
SNVMISPEVLCKEGIKVHRTVQQSGQFVVC FPGSFVSKVCCGYSVSETVHFATTQWTSMGFETAKEMKRR
HIAKPFMEKLLYQIAQAEAKKENGPTLSTISALLDEL RDTLRQRQLFEAGLHSSARYGSHDGSSTVA
DGKKKPRKWLQLET SERRCQICQHL CYLSMVVQENENVVFCLECALRHVEKQKSCRGLKLMYRYDEEQII
SLVNQICGKVSNGKNGSIENCLSKPTPKRGPRKRATVDVPPSRLSASSSSKSASSSS
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



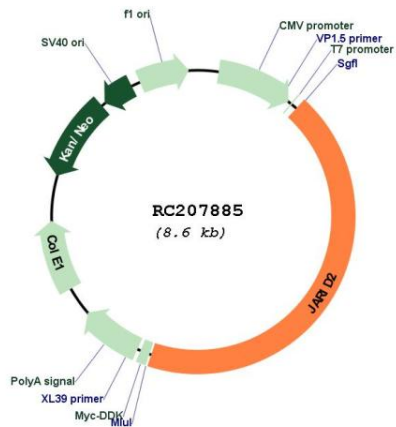
* The last codon before the Stop codon of the ORF

ACCN: NM_004973

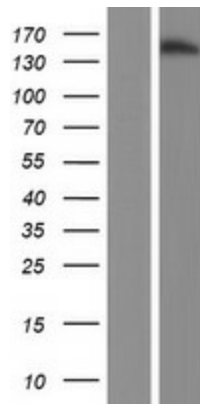
ORF Size: 3738 bp

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| 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: | <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_004973.4 |
| RefSeq Size: | 5756 bp |
| RefSeq ORF: | 3741 bp |
| Locus ID: | 3720 |
| UniProt ID: | Q92833 |
| Cytogenetics: | 6p22.3 |
| Domains: | ARID, JmjC, JmjN, zf-C5HC2 |
| Protein Families: | Transcription Factors |
| MW: | 138.6 kDa |
| Gene Summary: | This gene encodes a Jumonji- and AT-rich interaction domain (ARID)-domain-containing protein. The encoded protein is a DNA-binding protein that functions as a transcriptional repressor. This protein interacts with the Polycomb repressive complex 2 (PRC2) which plays an essential role in regulating gene expression during embryonic development. This protein facilitates the recruitment of the PRC2 complex to target genes. Alternate splicing results in multiple transcript variants. Mutations in this gene are associated with chronic myeloid malignancies. [provided by RefSeq, May 2012] |

Product images:



Circular map for RC207885



Western blot validation of overexpression lysate (Cat# [LY417618]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207885 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).