

## Product datasheet for SC309940

### JARID2 (NM\_004973) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JARID2 (NM_004973) Human Untagged Clone
Tag:	Tag Free
Symbol:	JARID2
Synonyms:	JMJ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309940 representing NM_004973. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
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TCAGAAGAACGGGTGGTACGTAAAGTCCTTTATTTGTCTCTGAAGGAGTCAAGAATCCAGAAGAGG
CAGCATGCGGAAGGCATTGCTGGGAGCCTGAAA AACTGTGAATGGGCTCCTTGGTAATGACCAGTCTAAG
GGATTAGGACCAGCATCAGAACAGTCAGAGAATGAAAAGGACGATGCATCCCAAGTGTCTCCACTAGC
AACGATGTTAGTCTTCAGATTTTGAAGAAGGGCCGTCGAGGAAAAGGCCAGGCTGCAAGCACAAAGG
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CCTCCAGTACTCAGATATCAGACCTCTCTAAAAGGAAGCCTAAGACAGAAGATTTTCTTACCTTTCTC
TGCCCTCGAGGTTCTCCTGCGCTGCCCAACAGCATGGTGTATTTTGAAGCTCTCAGGATGAGGAGGAA
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**Restriction Sites:**

Sgfl-Mlul

**Plasmid Map:**

□

**ACCN:**

NM\_004973

**Insert Size:**

3741 bp

**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).

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_004973.3</a>
<b>RefSeq Size:</b>	6112 bp
<b>RefSeq ORF:</b>	3741 bp
<b>Locus ID:</b>	3720
<b>UniProt ID:</b>	<a href="#">Q92833</a>
<b>Cytogenetics:</b>	6p22.3
<b>Domains:</b>	ARID, JmjC, JmjN, zf-C5HC2
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	138.7 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>