

## Product datasheet for RC235154

### JARID2 (NM\_001267040) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JARID2 (NM_001267040) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JARID2
Synonyms:	JMJ
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC235154 representing NM_001267040 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGTGTATTTTGAAGCTCTCAGGATGAGGAGGAAGTCGAGGAGGAAGATGATGAGACAGAAGACGTCA  
AAACAGCCACCAACAATGCTTCATCTTCATGCCAGTCGACCCCGAGAAAGGAAAAACCCACAAACATGT  
TCACAACGGGCATGTTTTCAATGGTTCAGCAGGTCAACACGGGAGAAGGAACCTGTTCAAAAACACAAA  
AGCAAAGAGGCCACTCCCGCAAAGGAGAAGCACAGCGATCACCGGCTGACAGCCCGGGAGCAGGCTT  
CAGCTAACCCACCCGAGCGGCCCTCCACGGGTTCTCGGCCAAGGGGCTTGCTGCCACCCATACCA  
CCCCCTCTGCATCGGTGGCTCAGGACTTACGGAAACAGGTTTCTAAGGTAAACGGAGTCACTCGAATG  
TCATCTCTGGGTGCAGGTGTAACCAAGTCCAAAAAGATGCGCGAGGTGACACCTTACCATTCCAAAACCTG  
TGAAGTACACTGCCACGGTGACGAAGGGGGCTGTACATACACCAAGCCAAGAGAGAAGTGGTCAAGGA  
CACCAAACCAATCACCAAGCCAGTCCCGTGTCAACCACACAATCTCAGGGAAAACGAAAGTAGC  
AATGCAAAAACCCGCAAACAGGTGCTATCCCTCGGGGGGGCTCCAAGTCCACTGGGCCCGCCGTCATG  
GCCTCAAGGTGAGTGGCAGGTTGAACCCAAAGTCATGCACTAAGGAGGTGGGGGGCGGCAGCTGCGGGA  
GGCCTGCAGCTGCGGGAGGGGCTGCGGAACTCCAAGAGGAGACTGGAAGAGGCACACCAGCGGAGAAAG  
CCGCAGTCGCCCCCAAGAAGATGAAAGGGGCGCTGGCCCCGCGAAGGCCCTGGCAAGAAGGCCCCGG  
CCGAGAGAGGTCTGCTGAACGGACAGTGAAGAAGGAAGTCCCGGAGCGCAGTCTGGAGAGGAATCGGCC  
GAAGCGGGCCACGGCCGGAAGAGCAGCCAGGCAGACAAAGCAGTGGCAAGGCGGACAGCGCCTCTGT  
GAAAATCGTTCTACCTCGCAACCGGAGTCCGTGCACAAGCCGAGGACTCGGGCAAGGCCGAGAAGGGCG  
GCGGCAAGGCCGGTGGGCGCCATGGACGAGATCCCCGTCTCAGGCCCTCCGCAAGGAGTTCACGA  
TCCGCTCATCTACATCGAGTCGGTCCGCTCAGGTGGAGAAGTTCGGGATGTGCAGGATGATCCCCCT  
CCGGACTGGCGGCCGAGTGCAAGCTCAACGATGAGATGCGGTTTGTACGCAGATTTCAGCACATCCACA  
AGCTGGGCGGCCGCTGGGCCCCAACGTGACAGCGGCTGGCCTGCATCAAGAAGCAGCTCAAATCTCAGGG  
CATCCACATGGACGAGCTCCCGCTCATAGGGGGTGTGAGCTCGACCTGGCCTGCTTTTTCCGGTGATT  
AATGAGATGGCGGCATGCAGCAAGTACTGACCTCAAAAAATGGAACAACTAGCAGACATGCTGCGCA



[View online >](#)

TCCCCAGAACTGCCAGGACCGGCTGGCCAAGCTGCAGGAGGCCTACTGCCAGTACCTACTCTCCTACGA  
 CTCCCTGTCCCCAGAGGAGCACCGGCGGCTGGAGAAGGAGGTGCTGATGGAGAAGGAGATCCTGGAGAAG  
 CGCAAGGGGCCGCTGGAAGGCCACACAGAGAACGACCACCACAAGTTCCACCCTCTGCCCGCTTCGAGC  
 CCAAGAAATGGGCTCATCCACGGCGTGGCCCCAGGAACGGCTCCGCAGCAAGCTCAAGGAGGTGGGCCA  
 GGCCAGTTGAAGACTGGCCGGCGGACTCTTCGCTCAGGAAAAAGAAGTGGTCAAGGAAGAGGAGGAG  
 GACAAAGGCGTCTCAATGACTTCCACAAGTGCATCTATAAGGGAAGGTCTGTTTCTCTAACAACTTTTT  
 ATCGAACAGCGAGGAATATCATGAGCATGTGTTTCAGCAAGGAGCCTGCCAGCCGAAATCGAGCAAGA  
 GTACTGGAGGCTAGTGGAAAGAGAAGGACTGCCACGTGGCAGTGCCTGCGGCAAGGTGGACACCAACT  
 CACGGCAGTGGATTCCCAGTAGGAAAATCAGAACCCTTTTCGAGGCATGGATGGAACCTCACCGTCTCC  
 CCAATAACACAGGGTCCATCCTGCGTCACCTCGGTGCTGTGCCTGGAGTACTATTCCCTGGCTAAATAT  
 TGGCATGGTCTTTTCTACCTCATGCTGGTCTCGAGACCAAAATCACCTTCCATACATTGACTACTTACAC  
 ACTGGTGTGACTGCATTTGGTATTGCATTCTGCTGAGGAGGAGAACAAGCTGGAAGATGTGGTCCACA  
 CCCTGCTGCAAGCAATGGCACCAGGGCTGCAGATGCTGGAAGCAACGTCATGATCTCCCCGGAGGT  
 GCTGTGCAAGAGGGATCAAGGTGCACAGGACCGTGCAGCAGAGTGGCCAGTTTGTCTGCTGCTCCCCG  
 GGATCCTTTGTGTCAAAGTGTGCTGTGGGTACAGCGTGTCTGAAACCGTGCCTTTGCTACCACCCAGT  
 GGACAAGTATGGGCTTTGAGACCCCAAGGAAATGAAGCGTCGCCATATAGCTAAGCCATTCTCCATGGA  
 GAAGTTACTCTACCAGATTGCACAAGCAGAAGCAAAAAAGAAAACGGTCCCCTCTCAGTACCATCTCA  
 GCCCTCCTGGATGAGCTCAGGGATACAGAGCTGCGGCAGCGCAGGCAGCTGTTTCGAGGCTGGCCTCCACT  
 CCTCCGCACGCTATGGCAGCCACGATGGCAGCAGCAGGTGGCGGACGGGAAGAAAAGCCTCGAAAGTG  
 GCTGCAGTTGGAGACGTCAGAGAGGAGGTGTGAGATCTGCCAGCACCTGTGCTACCTGTCCATGGTGGTA  
 CAAGAGAACGAAAACGTCGTGTTCTGTCTGGAGTGTGCTCTGCCACCGTGGAGAAACAGAAGTCTGCC  
 GAGGGCTGAAGTTGATGTACCGTACGATGAGGAACAGATTATCAGTCTGGTCAATCAGATCTGCGGCAA  
 AGTGTCTGGTAAAAACGGCAGCATTGAGAACTGTCTCAGTAAACCCACACCAAAAAGAGGTCCCCGCAAG  
 AGAGCGACAGTGGACGTGCCCCCTCCCGTCTGTACGCTCCAGTTCATCCAAAAGTCTTCGAGTCTCA  
 CA

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC235154 representing NM\_001267040

Red=Cloning site Green=Tags(s)

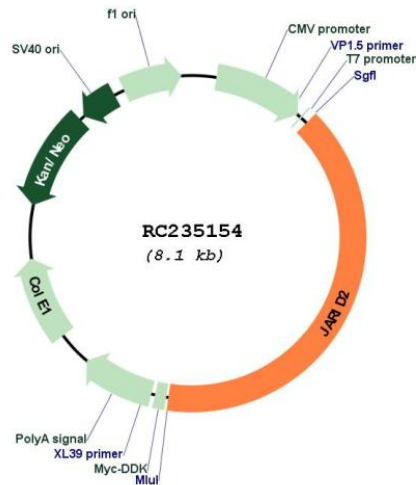
MVYFGSSQDEEEVEEEDDEDEDVKTATNNASSSCQSTPRKGKTHKHVHNGHVFNNGSSRSTREKEPVQKHK  
 SKEATPAKEKHSRHRADSRREQASANHPAAAPSTGSSAKGLAATHHHPPLHRSAQDLRKQVSKVNGVTRM  
 SSLGAGVTSAKKMREVRPSPSKTVKYTATVTKGAVTYTKAKRELVKDTPNHHKPSAVNHTISGKTESS  
 NAKTRKQVLSLGGASKSTGPAVNLKVSRLNPKSCTKEVGRQLREGLQLREGLRNSKRRLEEAHQAEK  
 PQSPPKMKGAAGPAEGPGKKAPAERGLLNHVKKEVPERSLERNRPKRATAGKSTPGRQAHGKADSASC  
 ENRSTSQPESVHKPQDSGKAEEKGGKAGWAAMDEIPVLRPSAKEFHDPLIYIESVRAQVEKFGMCRVIPP  
 PDWRPECKLNDEMRFVTQIQIHKLGRRWGNVQRLACIKKHLKSQGITMDELPLIGGCELDLACFFRLI  
 NEMGGMQVTDLKKWNKLADMLRIPRTAQDRLAKLQEAYCQYLLSYDSLSPEEHRRLEKEVLMKEILEK  
 RKGPLEGHTENDHHKFHPLPRFEPKNGLIHGVAPRNGFRSKLKEVQQAQLKTGRRRLFAQEKEVVEEEEE  
 DKGVLNDFHKCIYKGRSVSLTTFYRTARNIMSMCF SKEPAPAEIEQEYWRVVEEKDCHVAVHCGKVDNT  
 HGSFGFPVKSEPF SRHGWNLT VLPNNTGSILRHLGAVPGVTIPWLNIGMVFSTSCWSRDQNLHPYIDYLH  
 TGADCIWYCIPAEENKLEDVVHTLLQANGTPGLQMLESNVMI SPEVLCKEIKVHRTVQSQSQFVVCFP  
 GSFVSKVCCGYSVSETVHFATTQWTSMGFETAKEMKRRHIAKPF SMEKLLYQIAQAEAKKENGPTLSTIS  
 ALLDELRTDELRRRQLFEAGLHSSARYGSHDGSSTVADGKKKPRKWLQLET SERRCQICQHLCYLSMVV  
 QENENVVFCLECALRHVEKQKSCRGLKLMYRYDEEQIISLVNQICGKVSCKNGSIENCLSKPTPKRGP  
 RATVDVPPSRLSASSSSKASSSS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001267040

ORF Size: 3222 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.

<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>	<u>NM_001267040.1, NP_001253969.1</u>
<b>RefSeq Size:</b>	5612 bp
<b>RefSeq ORF:</b>	3225 bp
<b>Locus ID:</b>	3720
<b>UniProt ID:</b>	<u>Q92833</u>
<b>Cytogenetics:</b>	6p22.3
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	120.1 kDa
<b>Gene Summary:</b>	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]