

Product datasheet for **MC224574**

Jarid1c (BC043096) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Jarid1c (BC043096) Mouse Untagged Clone
Tag: Tag Free
Symbol: Jarid1c
Synonyms: D930009K15Rik; Jarid1c; mKIAA0234; Smcx
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC043096
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGGGGTCCGACGATTTCTACCGCCCGGAGTGTCCGGTGTTCGAGCCTAGCTGGGCCGAGT
TCCGAGACCCTTTGGCTACATCGGAAAATCAGACCCATCGCCGAGAAGTCCGGCATTGCAAGATCCG
CCCACCCGCGGACTGGCAGCCACCCTTTGCCGTGGAAGTGGATAACTTCAGGTTTACTCCCCGAATCCAG
AGGTTGAAATGAGCTGGAGATTGGTGGAGAAGGTGTTATGAAACTATCTGCAAGGACCGTCGATGGG
CCCGTGTGGCCAGCGTCTCAACTACCCACCTGGCAAAAACATTGGTTCCTTGCTACGCTCTCACTATGA
ACGCATTGTTTATCCCTATGAAATGTACCAGTCTGGAGCCAACCTTGTGCAGTGTAAACACAGCCCATTT
GATAATGAGGAAAAGGACAAGGAATATAAACCCACAGCATCCCCCTTCGACAGTCTGTGCAGCCTTCCA
AGTTCAACAGTTATGGACGACGGGCAAAGAGACTACAGCCTGATCCGGAACCCACAGAGGAAGACATTGA
AAAGAATCCAGAAGTGAAGAAATACAGATATATGGAGCAGGCCCAAGATGATGGGGCTGGGCCTAATG
GCCAAAGATAAGACTCTCGGAAAAAAGATAAAGAAGGGCCTGAGTGTCCCCCACTGTGGTGGTAAAGG
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GAGTCATAGCCCTGAGCCCTGCACCAAGATGACCATGAGGCTTCGAAGGAACACAGCAATGCCAGTTT
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AGCTTTTTGATAGCCAGCCTGATCTCCTTCACCAACTCGTCACCCTCATGAATCCTAACACGCTCATGTC
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 AGGCTTTTGAGCTGCTCCAGATGATGAACGTCACTGATGCAAAAGTGAAGACCACATGTTTCTATCTGC
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 CTACAGCGACTGAAAACTGCCTGAGTGAAGCAGAGGCTTGTGTGTCCCGGCTCTGGGATTGGTCACTG
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 CTCAAGGAGGCTCTTGTAAAGCCCGGGCATGGATTGTGATGTGGATGAGATCCAAAATGGTGACCACT
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 GCAGCCGGTGGATGGAGAAGGAGCTGGGGTGTACAAATCTGACACAGAGCTGTTGGGGTGTCTGCGCA
 GGACCTCAGGGACCCAGGCTCTGTGATCGTGGCCTTCAAAGAGGGGGAGCAGAAGGAGAAGGAAGGGATA
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 CTTCTATCTGCGTGTGTGGCAAGTCCAGCTGGGGTGGGAGCTCTGCAGTGTGACCTGTGTGAGGACTG
 GTTCCATGGGCGCTGTGTGACAGTACCCCGCTCCTCAGCTCCCAGAGGTCCAGTCTTCCCTCATCCCCA
 CTGCTGGCCTGGTGGGAATGGGACACCAATTCTTGTGCCCTCTGTGTATGCGCTCACGGCGCCACGCT
 TGGAAACCATCCTGGCACTGCTGGTAGCCCTACAGAGACTGCCTGTGCGGCTGCCTGAGGGTGGGCTCT
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 ACTGCTCTGTTGGGACGGCTGGCTGAACTGCGCCAACGGCTACAGGCTGAATCCAAGCCTGAGGAGTCCC
 TGGCTTACCCTTCAGATGGTGGAGAGGGCACTGGCAATATGCCGAAGGTCCAGGGGCTGTTGGAGAATGG
 GGACAGTGTGACCACTGAAAAGGTAGCCACAGAGGAGGGCTCAGATCTGGAGCTGCTATCCTCAATA
 TTACCACAGTTGTCTGGCCCTGTGTTGAACTGCCTGAGGCAACCCGAGCCCCACTGGAGGAACTTATGA
 TGGAAGGGGATCTGCTTGAGGTGACCCTAGATGAGAATCATAGCATCTGGCAGTCTGCAGGCTGGGCA
 GCCTCCAGACTTGAAGAGGGTCCAGACACTTCTGGAGCTGGAGAAGGCAGAGCCCATGGGAGTCGGACA
 CGAGGCCGAGCCCTAGAGAGGAGACGACGGAGGAAGGTGGATCGGGTGGGGAGCCGGATGACCCGGCAC
 GAGAGGAGCTAGAGCCAAAGAGGGTACGAAGCTCAGGACCAGAAGCCGAGGAAGTCCAGGAGGAAGAGGA
 GCTGGAGGAGGAGACTGGGGTGGGTCCTCCTGTACCCTTCCCAACAGTGGCAGCCCCAGCATCCAG
 GAGGACCAGGATGGCTTAGAACAGTGTAGAGGCTGGTCTGACACCTCAGCCCCTTCTCTACTCTGA
 CTTCCCGGCTGTTGATGCTCCTGCCACAGCAGCCATCTCTGCAACAATTGTGA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC043096
Insert Size: 4533 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).
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:	BC043096 , AAH43096
RefSeq Size:	5361 bp
RefSeq ORF:	4532 bp
Locus ID:	20591
Cytogenetics:	X 68.46 cM
Gene Summary:	Histone demethylase that specifically demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9', H3 'Lys-27', H3 'Lys-36', H3 'Lys-79' or H4 'Lys-20'. Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-4'. Participates in transcriptional repression of neuronal genes by recruiting histone deacetylases and REST at neuron-restrictive silencer elements (By similarity). Represses the CLOCK-ARNTL/BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2.[UniProtKB/Swiss-Prot Function]