

Product datasheet for MC223073

Jarid1d (BC059077) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jarid1d (BC059077) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jarid1d
Synonyms:	HY; Jarid1d; Smcy
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC059077 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCTGACTCCTTCAAGGCTGACTACTTCAACATGCCTGTGCATATGGTACCTACAGAAGTTGTGGAAA
AGGAATTTCTGGAGGCTGGTGAGCAGCATTGAGGAGGATGTGACAGTTGAATATGGAGCAGACATTCACCT
CAAAGAATTTGGCAGTGGGTTTCTGTCAACAATAGCAAATGGGACTTATCTCCTGAAGAAAAGGAATAT
GCTGCTTGTGGTTGGAATCTCAATGTGATGCCAGTGCTGGATCAGTCTGTTCTCTGCCACATCAATGCAG
ACATCTCAGGCATGAAAGTGCCCTGGTTATATGTGGGCATGGTGTTCAGCATTTTGTGGCATATTGA
GGATCACTGGAGTTATTCCATTAACCTACCTGCACTGGGGTGAACCAAAGACCTGGTATGGAGTACCTTCG
CTAGCAGCAGAACACTTAGAGGATGTAATGAAGAGACTTACACCAGAGTTGTTTGACAGCCAACCTGACC
TCCTGCACCAACTTGTCATCTGATGAATCCTAACACTCTCATGTACATGGAGTGCCAGTTGTTTCGTAC
AAACCAAGTGTGCAGGGGAATTTGTCACTTTTCCCCGTGCTTACCACAGTGGCTTTAACCAAGGCTAT
AACTTTGCTGAGGCAGTGAACCTTTGCACTGCCGATTGGCTACCTGTTGGACGCCAGTGTATTGAACACT
ACCGCCGACTCCGGCGCTATTGTGCTTCTCCCATGAAGAACTTATCTGCAAGATGGCTGCATTTCCAGA
GAAGTTGGATCTAAATCTAGCAGTGGCAGTTTACAAGGAGATGTTCAATTATGGTACAGGAGGAGCGACGC
CTACGAAAGACCTTGTGGAGAAGGGCATCACGGAAGCTGAGCGAGAGGCTTTTGAGCTACTCCCAGATG
ATGAGCGTCAGTGCATCAAGTGTAAGACCACGTGTTTCTATCAGCCTTGGCCTGTTATGACTGTCCAGA
TAGTCTTGTCTGCCTTTCCCATATCAATGATCTGTGCAAGTGCTCAAGGAATCGACAGTACTTACGGTAC
AGGTACACATTGGATGAATGCCTGCTATGCTACAAAAGCTGAAGATTCGAGCTGAGTCAATTGACAACCT
GGGCCAACAAAGTACAAGCAGCCCTAGAGGTGGAGGATGGTCGGAACGGAGTTTGAAGAGCTAAGAGC
ATTGGAATCTGAGGCTCGTGATAGACGATTTCTAATAGTGAGCTGCTTCAGCGATTGAAGAAATGCCTA
ACTGAAGCAGAGGCTTGATTTCCCAAGTCTTGGACTGATCAGTAACCTCAGAGGACAGGTTACAAACAC
CGCAAATCACCTTACTGAATACAGCTTCTTCTCAAACAGATGGGCACTCTGCCCTGTACCATGCATCA
GATTGATGAAGTTAAGGATGTTCTTCAACAGGTGGAATCATACCAAATTGAGACCCGTGAGGCTCTAACT


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CTCATGCGCTTACAGTTTAGAAATACTTCAGTCCCTGATGGAAAAGGTCAGCAGCTTCGTGTGGAAGTGC
CTGAAGCTCATCAACTGAAGAGCTGTTGGAGCAGGCACAATGGCTAGATCAAGTGAAGCAGGCCCTGGC
TCCCTCAGGCCAGAGGCACTCTTTGGTTATCATGAAGAAGCTTTTAGTTATGGGAACCAAGGTAGCCTCC
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TGCCCATGTGCAGATGCTGGTTCACTCAGCACCAGCGCAGTCGGTGGATTGAAAAGGAGATGGGATTAT
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CTTTAAGGAAGGGGAAGAGGAAAGAAAGGAAGGTATCTTGCACTTACGTACACTCAACTCAGCCAAGCCC
AGTCCAATGTCTCATCGATGAATGCCTCTGCAACCTCCATCTGTATATGTGGGCAGGTCTGTGCAGGAG
TGGAATCTCTGCAGTGTGATCTTTGTCATGACTGGTTCCATGGACAATGTGTGACTGTACCCACCTACT
CAGCTCAGTAAGGGCCAGTCATACCTCATCTCAACTGCTAGCTTGGTGGGAATGGGACCAAGTTCCTG
TGCCCACTGTGCATGCGATCAAGGCGTCCACGCTGGAGACCATCTTGTCATTGCTGGTAGGACTACAGA
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CCGTGCCAGGCAGGCTCTAGCTTCTGAGGATGTGACTGCTTTGTTGAAACAGCTGGAAAAATCCCGCCAA
CAACTACAGGATGAATTGAGACATAAGAAGCCCCCTACCTTGCCTTCAGGCTTTGCCTTTGACTGTCTCA
CAGAGAATAGTGGAAGGATATCCTTAAGGAAGAGGAGGAGTTGGTACTAAATGAAGAAAGGATTAAAAAG
TTCTGAGAAGATTGTTCCAAAGGAAAGTTCATGTAAAGGAGATAAGGAAGTCTGCTGCCTTCACTTTTATCC
CAATTAAGTGGCCAGTACTGGAAGTGCCTGAAGCCACCCGGGCACCCCTAGAGGAGCTTATGATGGAAG
GAGATCTACTTGAAGTTACCCTAGATGAGAACTACAGCATTGGCAGCTGCTGCAGGCTGGGCAGAATCC
CAATCTAGAGCGCATTATACACTTCTGGAGCTTGAGAAGCCTGAAAACCCAGGAAATTGGTCAGAGGAA
CAGACACCAGAGAGGCGACGGCAGGAGGAGGCAAAAGGTGGTTCTGAGTAGAAAAGGCTGAGGATTTTACTC
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AATAAGTTGGGGATAATGTGCTGTACACACACCTACAGAACATCAAAACACTCTTAAAGAGCACATAAAC
AGTGTAAGGAAAGGATCCAAGCCCTCATCTTCTTTCTTCTTAAACACCTTTACTACACCTATCTT
ATTTTCATCAGCAAAAATTATAA

ACGCGTACGCGGCCGCTGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC059077

Insert Size: 3453 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC059077](#), [AAH59077](#)

RefSeq Size: 4051 bp

RefSeq ORF: 3452 bp

Locus ID: 20592

Cytogenetics: Ypter

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'. May play a role in spermatogenesis. Involved in transcriptional repression of diverse metastasis-associated genes; in this function seems to cooperate with ZMYND8. Suppresses prostate cancer cell invasion. Regulates androgen receptor (AR) transcriptional activity by demethylating H3K4me3 active transcription marks (By similarity). [UniProtKB/Swiss-Prot Function]