

Product datasheet for **MR211711**

Jarid1d (BC059077) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jarid1d (BC059077) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jarid1d
Synonyms:	HY; Jarid1d; Smcy
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211711 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACTCCTTCAAGGCTGACTACTTCAACATGCCTGTGCATATGGTACCTACAGAAGTTGTGGAAA
AGGAATTTCTGGAGGCTGGTGAGCAGCATTGAGGAGGATGTGACAGTTGAATATGGAGCAGACATTCACCT
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GCTGCTTGTGGTTGGAATCTCAATGTGATGCCAGTGCTGGATCAGTCTGTTCTCTGCCACATCAATGCAG
ACATCTCAGGCATGAAAGTGCCCTGGTTATATGTGGGCATGGTGTTCAGCATTTTGTGGCATATTGA
GGATCACTGGAGTTATTCCATTAACTACCTGCACTGGGGTGAACCAAAGACCTGGTATGGAGTACCTTCG
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CGCAAATCACCTTACTGAATACAGCTTCTTCTCAAACAGATGGGCACTCTGCCCTGTACCATGCATCA
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TCACTGCCTTACAGTTTAGAAATACTTCAGTCCCTGATGGAAAAGGGTCAGCAGCTTCGTGTGGAAGTGC
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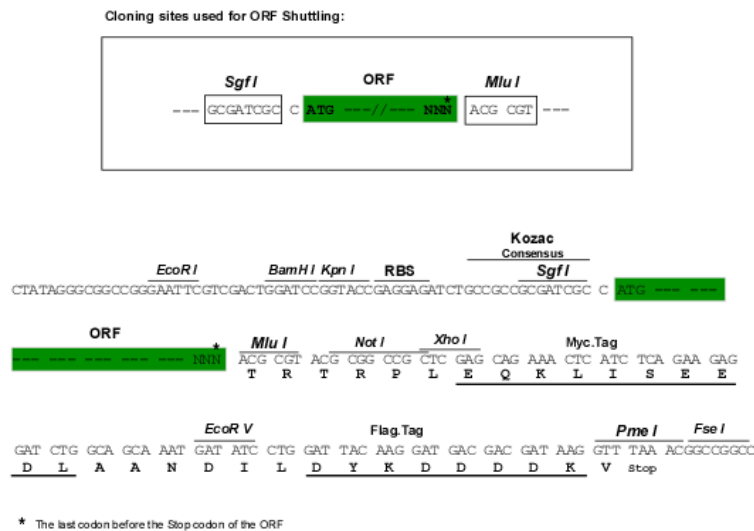
Protein Sequence: >MR211711 protein sequence
Red=Cloning site Green=Tags(s)

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RYTLDEL PAMLQKLKIRAESFDNWANKVQAAL EVDGRKRSFEELRALESEARDRRFPNSELLQRLKKCL
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SLPYSLEILQSLMEKGQQLRVEVPEAHQLEELLEQAQWLDQVKQALAPSGQRHSLVIMKKLLVMGTVAS
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IADVNEIQNGDHYPCLDDLEGLVAVGRDLPVELEELRQLENQVLTAHSWKEKASKTFLKKNSCYTLLVL
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CPLCMRSRRPRLETILSLLVGLQRLSVRLPEGEALQCLTERAIGWQGRARQALASEDVTALLKQLEKSRQ
QLQDEL RHKKPPTLP SGFAFDCLTENS GDKILKEEEELVLNEERIKSSEKIVPKESSCKGDKELLPSLLS
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QTPERRRQRRQKVVL SRKGEDFTQKELESKRKSSRIKPKEEFQKPI LGDNVLYTHTEHTNILKEHIN
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Restriction Sites: SgfI-MluI

Cloning Scheme:

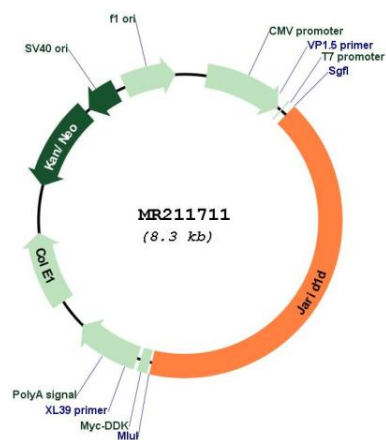


ACCN: BC059077

ORF Size: 3450 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.
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
MW:	131.4 kDa
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]

Product images:



Circular map for MR211711