

## Product datasheet for **RN216943**

### **Kdm5a (NM\_001277178) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kdm5a (NM_001277178) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kdm5a
Synonyms:	Jarid1a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN216943 representing NM\_001277178  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGGCGTGGGCCCGGGGGCTACGCGGCGGAGTTCGTGCCGCCGCCGAGTCCCGGTCTTTGAGC  
 CCAGTTGGGAGGAGTTCACAGACCCGCTAAGTTTTATCGGTGCGATCCGGCCTCTGGCTGAGAAACTGG  
 CATCTGCAAAATCCGTCCACCCAAGGATTGGCAACCTCCATTTGCTTGTGAAGTAAAAACCTCCGATTC  
 ACTCCCAGAGTCCAGCGCCTGAATGAACCTGAGGCAATGACTAGAGTAAGATTGGACTTCTTGGATCAAC  
 TGGCAAAATTTGGGAACCTCAAGGATCTACATTGAAGATTCCCGTGGTGGAGAGAAAAATCCTGGATTT  
 GTATGCTTTAAGCAAGATTGTTGCCAGCAAAGGAGTTTTGAAATAGTCACCAAAGAGAAGAAATGGTCT  
 AAAGTGGTAGCCGTTTGGGATATCTGCCAGGAAAAGGAACTGGGTCTCTTTGAAGTCACTATGAAA  
 GAATTCTCTACCCATATGAGCTTTCCAATCTGGTGTGAGCCTTATGGGTGTACAAATGCCTGATTTAGA  
 TCTTAAGGAAAAAGTTGAAGCTGAGTTCTCAGTACTGACATCCAGCCTCCCCAGAGCGGGGAACAAGA  
 ATGAATATCCACCAAAGAGAACAAGACGAGTTAAATCCAGTCAGACTCTGGAGAAGTAAATAGAAATA  
 CAGAACTGAAGAACTTCAGATTTTTGGGGCTGGACCCAAAGTAGTAGGCCTGGCAGTAGGAGCAAAAGA  
 TAAAGAAGATGAGGTCACCCGAAGACGGAAGTTACCAACAGGTCAGATGCATTTAACATGCAGATGAGA  
 CAACGGAAGGAACTCTCTGTAACTTTGTCGATCTCTATGTTTGCATGTTTTGTGGTGCAGGAAACA  
 ATGAGGATAAACTGCTTTTGTGTGACGGGTGTGATGACAGCTACCATACATTTTGTCTGCTTCCACCACT  
 TCCTGATGTGCCAAAGGAGACTGGAGGTGCTAAATGTGTTGCTGAGGAATGTAAACAACTCGAGAA  
 GCCTTTGGATTTGAGCAAGCTATAAGAGAATATACACTTCAAAGCTTCGGAGAGATGGCAGATAATTTTA  
 AGTCTGATTATTTCAATATGCCAGTGCATATGGTTCTACAGAGCTAGTAGAAAAGGAGTTCTGGCGGCT  
 AGTAAGTAGTATTGAAGAAGACGTCATTGTAGAGTATGGAGCTGATATCTCTTCAAAGATTTTGAAGT  
 GGATTTCTATAAAGGATGGTCAGAGAAAGATGTTACCAGAAGAGGAGGAGTATGCACTTCTGTTTGGGA  
 ATTTGAATAACATGCCTGTTCTGGAGCAGTCTGTTCTTGCTCATATTAATGTGGACATTTCTGGTATGAA  
 GGTGCCGTGGCTCTATGTGGAAATGTGCTTTTCTCTTTTGTGGCATAATTGAAGATCACTGGAGTTAT  
 TCAATTAACACTTGCATTGGGGCGAGCCAAAGACATGGTATGGTGTACCATCTCATGCTGCAGAACAAC  
 TGGAGGAGGTGATGAGGGAGCTGGCCCTGAGTTATTTGAATCACAGCCTGACCTCTACATCAGTTAGT  
 AACCATCATGAACCCAAATGTGCTCATGGAGCATGGTGTGCTGTGAGTCTTCTGTGCTTCTCTTCAACA  
 TTTTAAAGATTTCTACCTTTAATTAGGTTCTATTGATGTTTTGGGAGAATTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001277178
- Insert Size:** 1740 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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.

**RefSeq:** [NM\\_001277178.1](#), [NP\\_001264107.1](#)

**RefSeq Size:** 2316 bp

**RefSeq ORF:** 1740 bp

**Locus ID:** 312678

**Cytogenetics:** 4q42