

Product datasheet for **RR216943**

Kdm5a (NM_001277178) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR216943 representing NM_001277178
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGCGTGGGCCCGGGGGCTACGCGCGGAGTTCGTGCCGCCCGGAGTCCCGGTCTTTGAGC
 CCAGTTGGGAGGAGTTCACAGACCCGCTAAGTTTTATCGGTGCGATCCGGCCTCTGGCTGAGAAACTGG
 CATCTGCAAAATCCGTCCACCCAAGGATTGGCAACCTCCATTTGCTTGTGAAGTAAAAACCTCCGATTC
 ACTCCCAGAGTCCAGCGCCTGAATGAACCTGAGGCAATGACTAGAGTAAGATTGGACTTCTTGGATCAAC
 TGGCAAAATTTGGGAACCTCAAGGATCTACATTGAAGATTCCCGTGGTGGAGAGAAAAATCCTGGATTT
 GTATGCTTTAAGCAAGATTGTTGCCAGCAAGGAGGTTTTGAAATAGTCACCAAAGAGAAGAAATGGTCT
 AAAGTGGTAGCCGTTTGGGATATCTGCCAGGAAAAGGAACTGGGTCTCTTTGAAGTCACTATGAAA
 GAATTCTCTACCCATATGAGCTTTCCAATCTGGTGTGAGCCTTATGGGTGTACAAATGCCTGATTTAGA
 TCTTAAGGAAAAAGTTGAAGCTGAGGTTCTCAGTACTGACATCCAGCCTCCCCAGAGCGGGGAACAAGA
 ATGAATATCCCACCAAAGAGAACAAGACGAGTTAAATCCCAGTCAGACTCTGGAGAAGTAAATAGAAATA
 CAGAACTGAAGAACTTCAGATTTTGGGGCTGGACCCAAAGTAGTAGGCTGGCAGTAGGAGCAAAAGA
 TAAAGAAGATGAGGTACCCGAAGACGGAAGTTACCAACAGGTGAGTGCATTTAACATGCAGATGAGA
 CAACGGAAGGAACTCTCTGTAACTTTGTCGATCTCTATGTTTGCATGTTTTGTGGTGCAGGAAACA
 ATGAGGATAAACTGCTTTTGTGTGACGGGTGTGATGACAGCTACCATACATTTTGTCTGCTTCCACCACT
 TCCTGATGTGCCAAAGGAGACTGGAGGTGTCCTAAATGTGTGAGGAATGTAAACAACTCGAGAA
 GCCTTTGGATTTGAGCAAGCTATAAGAGAATATACACTCAAAGCTTCGGAGAGATGGCAGATAATTTTA
 AGTCTGATTATTTCAATATGCCAGTGCATATGGTTCCTACAGAGCTAGTAGAAAAGGAGTCTGGCGGCT
 AGTAAAGTAGTATTGAAGAAGACGTCATTGTAGAGTATGGAGCTGATATCTCTTCAAAGATTTTGGAAAGT
 GGATTTCTATAAAGGATGGTCAGAGAAAGATGTTACCAGAAGAGGAGGAGTATGCACTTTCTGGTTGGA
 ATTTGAATAACATGCCTGTTCTGGAGCAGTCTGTTCTTGCTCATATTAATGTGGACATTTCTGGTATGAA
 GGTGCCGTGGCTCTATGTGGAAATGTGCTTTTCTCTTTTGTGGCATAATTGAAGATCACTGGAGTTAT
 TCAATTAACACTTGCATTGGGGCGAGCCAAAGACATGGTATGGTGTACCATCTCATGCTGCAGAACAAC
 TGGAGGAGGTGATGAGGGAGCTGGCCCTGAGTTATTTGAATCACAGCCTGACCTCTACATCAGTTAGT
 AACCATCATGAACCCAAATGTGCTCATGGAGCATGGTGTGCTGTGAGTCTTCTGTGCTCTCTTCAACA
 TTTTAAAGATTTCTACCTTTAATTAGGTTCTATTATGTTTTGGGAGAATTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216943 representing NM_001277178
 Red=Cloning site Green=Tags(s)

MAGVGGGYAAEFVPPPECPVFEPSSWEFTDPLSFIGRIRPLAEKTGICKIRPPKDWQPPFACEVKTFRF
 TPRVQRLNELEAMTRVRLDFLDQLAKFWELQGSTLKIPVVERKILDLYALSKIVASKGGFEIVTKEKKWS
 KVGSRLLGYPGKGTGSLKSHYERILYPYELFQSGVSLMGVQMPDLDLKEKVEAEVLSTDIQPSPERGTR
 MNIPPKRTRRVKSQSDSGEVNRNTELLKQLIFGAGPKVVLAVGAKDKEDEVTRRRKVTNRSDAFNMQMR
 QRKGTLSVNFVDLYVCMFCGRGNNEKLLLDGCDSDSYHTFCLLPPLPDVPGDWRCPKVAEECNKPRE
 AFGFEQAIREYTLQSFEMADNFKSDYFNMPVHMVPTTELVEKEFWRLVSSIEEDVIVEYGADISSKDFGS
 GFPIKDGQRKMLPEEEYALSGWNLNMPVLEQSVLAHINVDISGMKVPWLYVGMCFSSFCWHIEDHWSY
 SINYLHWGEPKTYGVP SHAAEQLEEVRELAPELFESQPDLLHQLVTIMPNVLMHGVVPSLLCLPST
 FLKIFYLLIRVLFMFWGEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001277178

ORF Size: 1737 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.

RefSeq: [NM_001277178.1](#), [NP_001264107.1](#)

RefSeq Size: 2316 bp

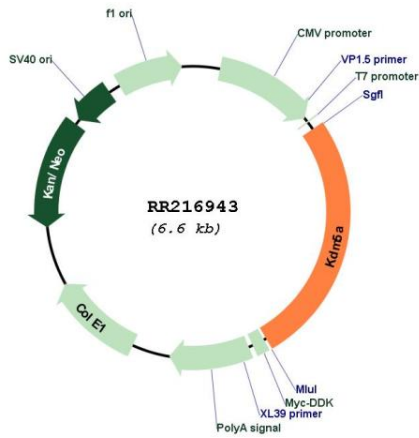
RefSeq ORF: 1740 bp

Locus ID: 312678

Cytogenetics: 4q42

MW: 66.1 kDa

Product images:



Circular map for RR216943