

Product datasheet for **RN212834**

Kdm4a (NM_001107966) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kdm4a (NM_001107966) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kdm4a
Synonyms:	Jmjd2a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212834 representing NM_001107966
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTGTTCTGAGTTCGCAAGATCGCCAATAGTGACAAGTACTGTACTCCACGGTATAGTGAATTTG
 AAGAACTTGAGCGTAAATACTGGAAAACTCACATTCAATCCTCCCATCTATGGAGCAGATGTGAATGG
 TACTCTCTATGAACAGCACGTTGATGAGTGAACATCGGCCGGCTGAAGACCATCCTGGACCTGGTGGAG
 AAGGAGAGTGGGATCACCATCGAGGGCGTGAACACCCCTACCTGTACTTTGGCATGTGGAAGACGTCTT
 TTGCTGGCACACGGAAGACATGGATCTGTACAGCATCAACTACCTGCACCTTTGGAGAGCCAAAGTCTTG
 GTACTCTGTTCCACCTGAGCATGGGAAACGCCTGGAGCGGCTCGCCAAAGGCTTTTTCCAGGAAGTGT
 CAAAGCTGTGAGGCTTTCTCCGCCACAAGATGACCTGATCTCCCATTAATGTGAAGAAGTATGGCA
 TTCCTTTGACAAGGTGACCCAAGAAGCCGGGAGTTTATGATCACTTTCCATATGGGTACCATGCTGG
 TTTCAACCATGGCTTCACTGTGCAGAGTCTACCAATTTGCTACCCGTCGGTGGATTGAATATGGCAAG
 CAGGCTGTACTGTTCCTGCAGAAAAGATATGGTGAAGATCTCTATGGACGTGTTTGTACAGGAGTTCC
 AGCCGGAACGCTACAACTTTGGAAAGCTGGGAAAGACAGCACTGTTATTGACCACACTCTGCCACACC
 GGAAGCAGCTGAGTTTCTGAAGGACAGTGGACTAACCCCAAGAGCTGGGAATGAGGAGTGCCAGAGGAG
 GACTCGGAAGCGGCGGAGCAGGGAGAGGAGGGGATGTGAAGAGAAGCCTGGCTAAGCACCGAATAGGGA
 CAAAGAGACACCGAGTCTGTCTGAAAATACCACAGGAGTCACTCAGAGCGAGCTTCCCAAGGAAGA
 GCTGAGTTCTGGACAGTATGAGATGACAGAGTCCAGGCCACCTCGCCCAAGTGGGCCACCCACAGC
 TCCGTGCGCAAGTTGAGGACAGCCTCCCTTCCAGATTACTCCGACCCACTGAGGTCAAATTCGAAG
 AGCTGAAGAAGCTCAAACCTAGAAGAGGAGGATGAGGATGAGGAGCCGGAAGCAGCTGCATGGACCTTC
 TGTGAATCCCGAGTCTGTAGAAGGACGCCTCGTCTTCTCGGGCTCCAAAAGAAAAGCCTCCTCAGCCTA
 GGCTCCAGTTCCTCAGGATTCAGTTTCTCAGATTCCGAAACACCGAGTCTGTCTTGTCCAGGGCC
 AAGAGAAAACAGTTCTCACGGTGCACAGTACTCCAGAGGAGATGGCAAGGCTGCCAGGCGAGCCGAG
 TGTGAAGAGGCAGCGCAGCGCCCCCGCAGCATCAGCGAGCAGGAGTGGCAGAGGTTGCAGATGAGTAC
 ATGCTCTCCCTGGAGGAGAATAAGAAGACCAAGGGTCGCCGCCAGCCCTTGAAGCAAGCTCCACGCCATC
 ACCCGCTGGTGTGCAGGAGTGGCCAGCGATGACGAGACTTCTGAACAGCTGACACCCGAGGAAGAGGC
 TGAGGAGACCGAGGCTTGGGCTAAGCCTCTGAGCCAGCTGTGGCAGAACCAGCTCCAACTTTGAGGCT
 GAAAAGGAATTCATGAGCTCATGGCCAGCAGGCCCTCACTGTCTGTGTATGATCTCCAGACCT
 ACCATCAGGTGGAATTTGGAGGCTTCAGTCAGAGCTGTGGGAATGCTTCAGAACCAGTGCCCAACCTCA
 GAGGACTAAGCCATTGATCCCCGAAATGTCTTACCACAACCTGGCTGCAGCACAGACATCAATCTGTCC
 ACCCTTACCTAGAGGAGGATGGCACCAGCATGCTGGTGTCTTGTGAAGAAGTGCAGTGTCCGGGTCCACG
 CCAGTTGCTATGGCGTCCCCCTGCAAAGGCTTCTGAAGAATGGATGTGCTCTCGATGTTCCAGCCATGC
 CCTGGAGGAAGACTGCTGTTATGTCTACTGCGTGGAGGGGCCCTGCAGAGAGCAAACGACGACAGATGG
 GTTCATGTTTCATGTGCTGTGGCAATCTAGAAGCAAGTTTGTCAACATTGCTGAAAGAAGTCCAGTGG
 ATGTGAGCAAAAATCCCTCTGCCCGCTTCAAACCTGAAGTGTGCTTTTGTGAAGAAGCAAGAAAACGGAA
 TGCTGGCTGTTGTGTGCAGTGTCTCACGGCCGCTGCCCACTGCCTTCCATGTGAGCTGTGCCAGGCT
 GCCGGGTGATGATGCAACCCGATGACTGGCCTTTTGTGTCTTACATCAGTGCTTCCGCCACAAGATTC
 CCAATTTGGAGCGAGCTAAGGGAGCCTTGTGAGCATCACGGCCGGCCAGAAGGTCATCAGAAGACAAA
 GAACGGCCGCTTCTACCAGTGCAGGTTGGTCAAGTCAACCCGAAACCTTCTACGAAGTCAACTTTGAT
 GACGGCTCCTCAGCGACAACCTTTATCCTGAGGACATAGTGAAGTCAAGTCTATGGGGTAAGTTTGTGGCCTC
 CTGCTGAAGGCGAAGTGGTTCAAGTCAAGTGGACAGATGGTCAAGTCTATGGGGTAAGTTTGTGGCCTC
 CCACCCATCCAGATGTACCAGGTGGATTTCAGGATGGCTCGCAGCTGGTGGTTAAGAGAGATGATGTA
 TACACACTGGATGAAGAGCTTCCAAGAGAGTCAAGTCTAGACTGTCAGTGTAGCTTCCAGACATGCGGTTCA
 ATGAGATTTTACAGAGAAGGAAGTAAAGCAAGAAAAGAAAAGGCAACGGGTTCATCAACTCAAGGTACCG
 GGAGATTACATCGAGCCAGCACTGTATCGGGCCATCATGGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001107966
Insert Size:	2916 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:	<u>NM_001107966.1</u> , <u>NP_001101436.1</u>
RefSeq Size:	4421 bp
RefSeq ORF:	2916 bp
Locus ID:	313539
Cytogenetics:	5q36