

## Product datasheet for **RN205227**

### **Kdm1a (NM\_001130098) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kdm1a (NM_001130098) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kdm1a
Synonyms:	Aof2; Kdm1; RGD1562975
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN205227 representing NM\_001130098  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTGTCTGGGAAGAAGCGCGCGCGCGGCAGCGCGCGCGCGGCAGCAGCGGCTGGGACAGAGGCCG  
 GGCCCGGGCGCGCGCGCGCGCGGAGAACGGCTCTGAGGTGGCCGCGCCCGCCGCGGGCCTGGCGGGCC  
 CGCCGACATTGCTACGGGGCGCGGGCGAGCGCACTCCCGAAAAGAAGGAGCCTCCGCGGGCCTCGCCG  
 CCCGGAGGCTGGCCGAGCCGCTGGGTCGCGGGCCTCAGGCGGGGCCACAGCCGGGCCCGGCTCCG  
 CTACACCCATGGAGACAGGAATAGCCGAGACCCCGAGGGCCGACGGACCAGCCGACGAAAGCGGGCGAA  
 GGTAGAATACAGAGAAATGGATGAAAGCTTGCCCAACCTCTCAGAAGATGAATATTATTCAGAAGAAGAA  
 AGAAATGCCAAAGCAGAGAAGGAGAAGAAGCTTCCCCGCCACCTCTCAAGCCCCACCTGAGGAGGAAA  
 ATGAAAGTGAGCCCGAGGAGCCGTCTGGCAAGCAGGAGGACTTCAAGACGACAGTTCTGGAGGGTATGG  
 AGACGGCCAAGCATCAGGTGTGGAGGGTGCAGCTTCCAAGCAGACTTCCCATGACCGAATGACCTCT  
 CAGGAAGCAGCGTGTTCAGACATCATCAGTGGGCCTCAGCAGACACAGAAGTTTTCTGTTTATCA  
 GGAATCGCACATTGCAGTTATGGTTGGACAACCCAAAGATTCAGCTGACATTTGAAGCTACGCTCCAGCA  
 GTTAGAAGCACCTTATAACAGTGACACTGTACTTGTCCACCGAGTTCATAGTTACTTAGAGCGCCACGGT  
 CTTATCAACTTCGGCATCTACAAGAGGATAAAACCTTTACCAATTAAGGAGCAGGAAAGGTGATTATTA  
 TAGGCTCAGGTGTTTCTGGCTTGGCAGCAGCTCGACAACACAGAGTTTTGGGATGGATGTCACACTTCT  
 GGAAGCCAGGGATCGCGTAGGTGGACGGTTCGCTACATTCGAAAAGGAACTATGTAGCTGATCTTGGA  
 GCCATGGTAGTAACAGGTCTTGGAGGAAATCCCATGGCTGTCGTCAGCAACAAGTAAATATGAACTGG  
 CCAAGATCAAGCAAAAAATGCCACTTTATGAAGCCAATGGACAAGCTGTTCCAAAAGAGAAAGATGAAAT  
 GGTAGAACAAGAATTTAACCGTTGCTTGAAGCCACCTTACCTTAGTCATCAGTTAGACTTCAACGTC  
 CTCAATAATAAACCTGTGTCCCTTGCCAGGCGTTGGAGTTGTCATTCAGCTACAAGAAAAGCAGCTCA  
 AAGATGAGCAGATTGAACACTGGAAGAAGATAGTAAAACCTCAGGAGGAATTGAAAGAGCTTCTCAATAA  
 GATGGTAACTTGAAGGAGAAAAATTAAGAGCTCCACCAGCAATACAAAGAAGCTTCAGAAGTGAAGCCG  
 CCCAGAGATATTACAGCTGAGTTCTAGTAAAAGCAAGCACAGGGACCTGACTGCCCTCTGCAAGGAAT  
 ATGATGAATTAGCTGAAACACAAGGAAAGCTAGAAGAAAACTTCAAGAATTGGAAGCCAATCCCCAAG  
 TGATGTATATCTCATCAAGAGACAGACAATACTTACTGGCATTGTCGAAATCTTGAATTTGCCAAC  
 GCCACACCTCTCTACCTCTCTTAAACATTGGGATCAGGATGATGACTTCGAGTTTACTGGCAGCC  
 ACCTGACAGTGAGGAATGGCTACTCGTGTGTGCCCTGTGGCTTTAGCTGAAGGTTTGGACATTAACCTGAA  
 CACAGCAGTGCGGAGGTTTCGCTACACAGCCTCAGGATGTGAAGTGATTGCTGTGAACACACGCTCCACA  
 AGTCAGACCTTCAATTTAAGTGTGACGCAAGTCTGTACCCTTCTTTGGGAGTGCTGAAGCAGCAGC  
 CACCAGCTGTTGAGTTTGTGCCGCTTCTCCTGAGTGGAAAACATCCGCAGTCCAAGGATGGGATTTGG  
 CAACCTTAACAAGGTGGTGTATGTTTTGACCGTGTGTTCTGGGATCCAAGTGTCAATTTGTTGGGCAC  
 GTTGGCAGTACAACCTGCTAGCAGGGCGAGCTTCTCTTCTGGAACCTATATAAGCTCCAATACTCT  
 TGGCTCTGGTAGCAGGCGAAGCTGCTGGCATTATGGAGAACATTAGTGATGATGATTGTCGGCCGGTG  
 CCTGGCCATTCTCAAAGGGATTTTTGGCAGCAGTGCAGTACCACAGCCCAAGGAAACTGTGGTGTCTCGT  
 TGGCGTGTGATCCCTGGGCCCGGGCTCCTATTCTTATGTGGCTGCAGGATCTTCTGGAATGACTATG  
 ATTTAATGGCTCAGCAATCACTCCTGGTCCCTCAATTCCAGGTGCCCCACAGCCAATCCAAGACTCTT  
 CTTTGTGGAGAACATACAATCCGCAACTACCCAGCTACGGTCCATGGTCTCTGCTGAGTGGGCTTCGA  
 GAAGCAGGAAGGATTGCCGACAGTTTTTGGGAGCCATGTACACGTTGCCTGTGAGCCACACCGGGTG  
 TCCCTGCACAGCAGTCCCAAGTAT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001130098

<b>Insert Size:</b>	2619 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001130098.1</a>, <a href="#">NP_001123570.1</a></u>
<b>RefSeq Size:</b>	3066 bp
<b>RefSeq ORF:</b>	2619 bp
<b>Locus ID:</b>	500569
<b>Cytogenetics:</b>	5q36