

## Product datasheet for **RN217440**

### **Kdm4c (NM\_001106663) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kdm4c (NM_001106663) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kdm4c
Synonyms:	Jmjd2c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217440 representing NM_001106663 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGAGGTGGTGGAGGTGGAGAGTCCCCTAAATCCCAGCTGTAAGATAATGACATTCAGACCTTCAATGG  
AGGAGTTTCGGGAGTTCAACAAATATCTCGCATACATGGAATCTAAAGGAGCCCCTCGAGCAGGTCTTGC  
CAAGGTGATTCTCCTAAGGAGTGAAGCCAAGACAATGCTATGATGATATTGATAATTTGCTTATTCCA  
GCACCAATTCAGCAGATGGTCACAGGACAGTCGGGACTGTTACTCAATACAACATCCAGAAAAAGCCCA  
TGAATGTGAAGGAGTTCAGGCAGCTGGCTAACAGTAGCAAACTACTGTACTCCAAGATACTTGGATTATGA  
AGATTTGGAACGCAAACTACTGGAAAACTTAACTTTTGTGGCACCTATTTATGGAGCGGATATTAATGGG  
AGCATATATGATGAGGGTGTGGATGAATGGAATATAGCTCGCCTAAATACAGTCTTGGATGTGGTTGAAG  
AAGAGTGCGGCATTCTATTGAGGGTGTAAATACCCCTTATCTCTATTTTGGAAATGTGAAAAACGACGTT  
CGCATGGCACACTGAGGATATGGATCTCTACAGTATTAATTATCTCCACTTTGGGAGCCCAAGTCTTGG  
TATGCTATACCTCCAGAGCATGGAAGCGACTTGAAAGACTAGCCCAAGGCTTTTTCCCCAGCAGCTCCC  
AAGGCTGTGATGCATTCCTCCGCCACAAGATGACACTGATTTCCCCTCAGTGCTGAAGAAGTATGGCAT  
TCCCTTTGACAAGATTACCCAGGAGGCTGGAGAGTTTATGATTACTTTTCTTATGGGTATCATGCTGGT  
TTAATCATGGTTTCAATTGTGCTGAGTCTACAACTTTGCTACAGTCAGATGGATTGACTATGGAAGG  
TTGCTAAATTGTGCACGTGTAGGAATGACATGGTGAAGATATCAATGGATATCTTTGTGAAGAAATTTCA  
GCCAGATAGATACCAGATTTGGAACAAGGAAAGGATATATACTATTGACCATACAAAGCCAACCCCA  
GAATCTACCCAGAAAGTAAAAACATGGCTACAGAGGAGGAAAAAGTTAAGAAAAGCTCCCAAGAGTTTGC  
AGGGCAATAAGTCACTTTCTAAAAGGCCTAAAGCTGAGGAAGATGAGGAATTTGTGAATTCATTGGGGA  
AGAGGTCTCAAGCCCTGCTGTGTGCCCTCGGCACCTCAAGGTCACAGAAAAGCCAGAAAAATTCAAGCTG  
GCAAACATAGGAGCATCTTCAGAAAAAGAAGCTTCTGATACTAGGATACAAGTAGATCAAAGCTTAACGA  
ATGACACCAAGCTCTCAGAAAAAGTTGCATAAATTCATCTGTAATAGATGAAATACAACAGAGAGATGA  
CACCGCCAATGCTGTAACCTCGCATCTACGCTGAAGAAGGCTTCTGACCTAATACCATTTTCTCATGGC  
CATATAACAGGCAAGGAGTCACGTTTACTTAAGATTCTCCAGCTTGAATCTCCAAGATACCTTCTTCG



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TGGCAGAAAGTAATAGAGTATTGACAGAGGGAGAAGAAAATGATGAAGAGGGCCATGCAAGTAACCTTGA  
 ACCTGGGGAAGTCCCAGATGCTCTCAGTGAAGAGAGAAAATGGGCTCAATGTTCCCTAAGATAATAGAAGGA  
 CAGCCAAAACTACTAAGAGTTGGCGACATCCACTTGGGAAGCCTCCGGCCAGATCCCAATGACTCTTG  
 TAAAGCAGCAGGTAGCAAGTGTGAAGAATTGCCTGAGGTCTAAGCATTGACGAAGAAGTTGAAGAAAC  
 AGAGTCTTGGGCAAAGCCTCTGATCCACCTTTGGCAGACAAAAGTCGCCAACTTTATGGCTGAACAGGAG  
 TACAATGCAACTGTGGCAAAAATGGAGCCAAATGTGCAATCTGCACTCTGCTCATGCCACTACAAGC  
 CTGATAACAGCAAAGAAGAAAATGATTCTAGATGGGAGACAGCAGTAAATGAAGTGGTTCAATCTGGAAG  
 AAAGACTAAACCCATTATTCCAGAGATGTGTTTTATTTATAGTGAAGAAAATGTTGAATATTCCTCCCT  
 AATGCCTTTCTTGAAGAAGATGGAACAAGTCTTCTGATTTCTGTCCAAGTGCTTCGTGCGGGTTCATG  
 CAAGTTGTTATGGTGTCCCTTCTCATGAGGTCTGTGATGGATGGCTGTGTGCCCGATGCAAAAAGAAATGC  
 ATGGACTGCAGAATGCTGTCTCTGCAATTTGAGAGGAGGTGCACTTAAACAGACTAAGAACAATCAGTGG  
 GCTCATGTATATGTGCTGTTGCAGTCCAGAAGTTCGATTCACTAATGTCCAGAAAGGACACAAATAG  
 ATGTAGACAGAATACCTTACAGAGGTTAAAATGAAATGCATATTCTGTAGACAGCGGGTTAAAAGGGT  
 TTCTGGAGCCTGCATCCAGTGTCTATGGCCGCTGCCAGCCTCTTCCATGTTACATGTGCCCATGCT  
 GCTGGAGTACTCATGGAGCCTGATGACTGGCCTTATGTGGTAAACATCACTTGCTCCGACATAGAGTCA  
 ATTCAAAACGTGAAGTCCAAAACCTGTGAGAAAAGCCATTTCTGTGGGTGAGACAGTATCAGAAAACATCG  
 AAATACTCGTACTACAGCTGCAGAGTGATAGATGTGACATCTCAAATCTTCTATGAGGTGATGTTTGT  
 GATGGTTCCTTACAGCAGAGACACATTTCTGAGGATATTGTGAGCCGAAACTGTGTGAAGCTGGGCCCTC  
 CTGCAAGAGGAGAAGTCAATCAAGTCAAATGGCCTGATGGTAACTCTATGGAGCAAAGTATCTTGGATC  
 AAATGTTGCGTACATGTATCAGGTTGAATTTGAAGATGGATCCCAGATAGCAATGAAGAGAGAAGACATA  
 TACACCTTAGATGAAGAGTTACCAAGAGAGTAAAGGCTCGTTTTCCACAGCCTCCGATATGCGATTTG  
 AAGACACATTTTATGGAGCAGATGTAATCCAAGGGGAGAGGAAGAGGCAAAGAGTGCTGAGCTCCAGGCT  
 CAAGAATGAGTATGTGGATGATCCTGTGTATCGTACTTTCTGAAGAGTCTTTCCAGAAGAAATGTCAG  
 AAGAGACAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001106663

**Insert Size:**

3162 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\\_001106663.3](#), [NP\\_001100133.3](#)  
RefSeq Size: 4131 bp  
RefSeq ORF: 3162 bp  
Locus ID: 298144  
Cytogenetics: 5q31