

## Product datasheet for RN217582

### Kdm2b (NM\_001100679) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kdm2b (NM_001100679) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kdm2b
Synonyms:	Fbxl10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217582 representing NM_001100679 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCAGAGAAAGACTCTGGAAGAAGATTGCGTGCGATTGACCGCCAGAGATACGACGAGAACGAAG  
ACTTGTCCGACGTGGAGGAAATTGTCAGCGTCCGTGGCTTCAGCCTGGAGGAGAAGCTACGTAGCCAGCT  
ATACCAGGGGGACTTCGTGCATGCCATGGAAGGCAAAGATTTAACTATGAGTACGTACAGAGAGAAGCT  
CTCAGGGTCCCCTGGTTTTTCGAGACAAGGATGGACTAGGAATCAAGATGCCAGACCCTGACTTCACAG  
TCCGAGACGTCAAACCTCTGGTGGGAGTCGCCGGCTGGTGGACGTGATGGACGTGAACACCCAGAAGGG  
CACGGAGATGAGCATGTCCCAGTTCGTGCGTACTACGAGACACCAGAGGCACAGAGGGACAAACTGTAC  
AATGTCATCAGCCTCGAGTTCAGCCATACGAAGCTGGAGCATCTAGTCAAGCGTCCCCTGTGGTGGACC  
TGGTGCAGTGGGTGGACAACATGTGGCCCAACATCTAAAGGAAAAGCAGACAGAAGCCACAAACGCCCT  
TGCCGAGATGAAATACCCCAAAGTGAAGAAGTACTGTCTGATGAGCGTGAAGGGCTGTTTACCAGACTTC  
CACATTGACTTTGGAGGCACCTCCGTGTGGTACCATGTTTTCCGTGGCGGGAAGATCTTTTGGCTGATCC  
CCCCAACCTGCACAACCTGGCTCTGTATGAGGAGTGGGTGCTGTCTGGCAAACAGAGTGACATCTTTCT  
GGGAGACCGAGTGAACGCTGCCAAGAATTGAGCTGAAGCAAGGCTACACATTTTTATCCCTTCTGGT  
TGGATCCATGCAGTGTACACGCCCGTGGACTCTGGTGTTCGGCGGGAACATCTGCACAGCTTCAACG  
TGCCCATGCAGCTGCGCATCTACGAGATCGAGGACAGGACCCGGGTTACGCCAAGTTCGGTTACCCCTT  
CTACTATGAGATGTGCTGGTATGTCTTGAGAGATACGTGACTGTGTGACCCAGCGCTCTACCTCACT  
CAGGAATACCAGCGAGAATTAATGCTCATTGATGCCCCAAGAAAAACAGTGTAGACGGTTTCTCATCTG  
ATTCTGGCTGGAGATGGAGGAGGAGTCCCGTGTGAGCAGCAGCTCCAGGAGGAGGAGGACAAGGAAGAGGA  
AGGGGATGGTGCAGACAAAACACCAAGCCACCCACCGAGGGCCCCACCTCACCCACAGCACCAGTCCG  
GAAGACCAGGACAGCACAGGGAAGAAGCCTAAAGCCCCTGCTATGCGATTCTCAAGAGGACTTTGTCCA  
ATGAGTCCGAGGAAAGTGTCAAGTCCACAGCGATGCCCGTAGACTACCCCAAGACGCCACAGGCTCCCC  
GGCCACTGAGGTTTCTACCAAGTGGACTCACCTTACCGAATTTGAACTGAAGGGCTTGAAGCCCTGGT



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GAAAACTAGAGTCTCTCCGGAGAATAAGAAGTGTGTCCCTGAGGGAATTGAGGACCCCAAGGCCCTCC  
 TGGAAAGTGTAAAGAATGTACTGAAGGAACACGTGGATGATGACCCCAACCTGGCCATCACCGGGGTCCC  
 CGTGGTCAAGTGGCCAAAGAAAACCTCAAAGAACCAGGAGTGGTGGGTCGGCCTAAGGGCAAGTTGGGCCCC  
 GCCTCAGCGGTGAAGTTGGTGCCAACCGAACAACAGCAGGAGCTCGCAGGCGCCGGACGCGATGCCGCA  
 AGTGGCAGGCCTGCCTGCGGACGGAGTGTGGAGAGTGCCTTTTTGCAAGGACATGAAGAAGTTCGGAGG  
 TCCTGGGCGCATGAAGCAGAGCTGCATCATCGGCAGTGCATCGCCAGTGTGCCCCACACCCCGCTG  
 TGCCTTGTGTGGCGAGGCAAGGAGGACACAGTGAAGAGGAAGAAGGCAAGTTAACCTCATGC  
 TCATGGAGTGCTCCATCTGCAACGAGATCATCCACCCTGGATGCCTTAAGATTAAGGAATCAGAGGGTGT  
 GGTCAACGATGAGCTTCCCAACTGCTGGGAGTGTCCGAAGTGTAAACCATGCCGGCAAGACCGGAAACAA  
 AAGCGTGGCCCTGGCTTTAAGTATGCCTCCAACCTGCCTGGCTCCTTGCTCAAGGAGCAGAAGATGAACC  
 GGGACAACAAGGAAGGGCAGGAGCTGCCAAGCGGAGGAGTGAAGTGTGAAGAGGCCCCCGTGCAGGTC  
 AGACGAGCACCCCAAGAAGTGCCTACAGATGGCATCCTCGCCGAAAGTCTGACGATGTGCACCTGAGG  
 AGGAAGCGGAAATACGAGAAGCCCAAGAGCTGAGTGCACGAAGCGAGCCTCGACGCTTCAAACGTCCC  
 CCGGTTCTCTCTCACCTCTCGCCGAGGCCCTCTAGGCAGCAGTCTCAGCCCTTGGTGGAGATCCAG  
 TCTCACTTACTTCCAGCAGCAGTAAAACCTGGCAAAGAAGATAAGCTTCTCAGGAAAAAGCGGGTCC  
 TGGAAAGACGCTGAGGATCGGCTGTCACTGGCCAAACAGCCCTTCGGCGCTTAAAGCAGGAGCCAGAGG  
 ACGACCTGCCTGAGGCACCTCCTAAGACCCGGGAGAGTGTACAGTCAAGTCCAGCTCGCCACAGCTGG  
 GCCAGCACTGAGGGGGCCGAGGGCCAGAAGAGAAGAGGAAGGTGAAGATGCGCCGAAACGGCGGCTT  
 CCCAACAGGAGTTGAGCAAAGAGCTAAGCAAGGAGCTCAACCACGAGATCCAAAAGACAGAGAGCACCT  
 TAGCCACGAGAACACCAGCCTATCAAGTCAAGCAGCAGAGTAAAACGAGGAGCCAAAGAGGCCCTT  
 AAGCCACTGCGAGCGCCCGCACCCTTCAAGCAAGGGCTCAACGGCACTCCTCGGAGCTGCGGCACTCA  
 CTGGGACTGGGCTTTCGAGCCACCTCGTGTATCTCCCGCCCCCGCCCTCTACATCCCACCCAAAGT  
 GCATCCAGATGGAGCGTACGTGATCCGGCCACCACCCATCAGCCCCCACCCTGACTCGTCCCTGGA  
 TGATGGAGCAGCCATGTATGCATAGGGAGGTGTGGATGGCAGTCTTCAGCTACCTCAGCCACCAAGAC  
 CTGTGTGTCTGCATGCGGGTCTGCAAGGACTGGAACCGTGGTGTGCGATAAGCGGTTGTGGACCCGCA  
 TCGACCTGAACCACTGCAAGTCCATCACTCCCCTGATGCTGAGCGGCATCATCCGGCGGAGCCGGTCTC  
 CCTGGATCTCAGCTGGACCAACATCTCCAAGAAGCAGCTGAGCTGGCTCATCAACCGGTTGCCTGGGCTC  
 CGAGACTTGGTGTGTCAGGCTGCTCATGGATCGCTGTCTCAGCCCTCTGTAGCTCCAGTGTCCACTGC  
 TCCGGACCCTGGATGTCCAGTGGTAGAAGGACTAAAGGATGCCAGATGCGGGATCTCCTGTCTCCACC  
 CACAGACAACAGGCCAGGTCAAATGGACAATCGGAGCAAGCTCCGGAACATTGTGGAAGTCCGCTAGT  
 GGCTGGACATCACAGATGTCTCCCTGCGGCTCATTATTGCCATATGCCCTGTCTCCAAGCTCCACC  
 TCAGTTACTGTAACCACGTCACTGATCAGTCCATCAACCTGCTCACTGCGGTTCGGACCACCACCCGGGA  
 CTCTCTGACAGAGATCAACCTATCGGACTGCAATAAGGTCACTGACCAGTGCCTGTCTTCTTAAACGC  
 TGTGAAAATATCTGCATATTGACCTGAGGTAAGTCAAGCAAGTCAAGGAAGGCTGTGAGCAGTTCA  
 TAGCTGAAATGTCTGTGAGTGTCCAGTTTGGGCAAGTGAAGAGAAAACCTCTGCAAAAACCTAAGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001100679
- Insert Size:** 3918 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.

<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_001100679.1</a></u> , <u><a href="#">NP_001094149.1</a></u>
<b>RefSeq Size:</b>	5190 bp
<b>RefSeq ORF:</b>	3918 bp
<b>Locus ID:</b>	304495
<b>Cytogenetics:</b>	12q16