

## Product datasheet for **RR213063**

### Kdm4b (NM\_001044236) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kdm4b (NM_001044236) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kdm4b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213063 representing NM_001044236 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGTCTGAGGACCACAGTGCCCAAGATCCAGCTGCAAAATCATGACCTTCGCCCCACCATGGATG  
AATTCAGGGACTCAACAGATATGTGGCTACATTGAGTCGAGGGTCCCACCGTGCCGGCTGGCCAA  
GATCATCCCACCAAGGAGTGAAGCCACGGCAGACATATGATGACATTGATGACGTGGTATCCCAGCA  
CCTATCCAACAGGTGGTACAGGCCAGTCGGGGCTTTTCACACAGTACAACATCCAGAAGAAGGCCATGA  
CTGTGGGGGAGTACCGCCGCTAGCCAACAGTGAAGTACTGTACCCACGCCATCAGGACTTCGATGA  
CCTGGAACGCAAGTACTGGAAGAACCTGACCTTTGTCTCACCCATCTATGGGGTACATCAGTGGCTCC  
CTGTATGATGATGACGTGGCCAGTGAACATCGGCAATCTGAGGTCCATCCTAGACATGGTGGAGCGCG  
AATGCGGGACCATCATTGAGGGTGTGAACACACCTACTTGTACTTTGGCATGTGAAAACACGTTTGC  
CTGGCACACAGAGGACATGGACCTCTACAGCATCAACTACCTGCACTTTGGCGAGCCCAAGTCTGGTAC  
GCCATACCACAGAGCACGGCAAGCGCTGGAGCGCTGGCCATAGGCTTCTTCCCTGGGAGCTCACAGG  
GCTGCGATGCCTTCTAAGGCACAAGATGACGCTCATCTCGCCATCATCCTGAAGAAGTATGGCATCCC  
CTTCAGCCGATTACACAGGAAGCTGGGAGTTTCATGATCACATTCCTATGGTTACCATGCGGGCTTC  
AACCATGGCTTTAACTGCGCTGAGTCCACTAATTTGCCACGCTGCGCTGGATCGACTATGGCAAAGTGG  
CCACACAGTGTACATGTGAAAGGACATGGTCAAGATCTCCATGGATGTGTTGTACGCATACTGCAGCC  
CGAACGCTATGAGCAGTGAAGCAAGGGCGTGACCTCACAGTGTGGACCACACGAGGCCACAGCCCTG  
AGCAGTCCCGAGCTCAGCTTTGGAGTGCCTCACGAATTCACCTCAAGGCCAAGTCTCGCAAGACAAA  
TTAGTGTGAAGGAGAGCAGACCTGGAGAAAGGCTGAGGAGGAGAGGAGCCGAGTCTAGAGAGGAGGCG  
GGAGCCGACCAGGAGGCCAGGGCCGGCTCACACCGGAGACGGAGCCAGCCCAAGAAGTCCAAACCTGAA  
GACTCCAGGTCTCAGGGGAAGCCACAGCTGGGGTAGCTGGTCTGGACGAGGCCAGGGGCTGTTCCCGGA  
GGGAGACCATGCCTGAGGAGGAGGAGGAAGAGGAGCTGTACCTTCACAGGGCCATGAGGCCGAGGGCGT  
GGAAGAGGATGGCAGAGGCAAGCCTCGGCCAACTAAGGCCAGGAGCAAGAAGAAGACTCCCAGCCTACTG  
TCACCCCATTTGCTGTCTGCCCCACCAGCCCTATTCCTCCGAGGAGGCTCTGAGGCTTCCACCCCAAC  
CTAAGTCTCAGGGCCAGCCATGGGCCCATGGCTGCAGAGGGGGTCTCCACCAACAGCCCTCAATGT  
CGTGCCTCTGGGGTCCAGGTGAGGAAACAGAGGTGCGGCCCGGCCATTATCCCAATGCTGTACGTG



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TTGCCCCGTGCCAACAGCTCTGATGGGGACAGGGAGCATGCTGCCCATCCACAGTTGGCACCCATGGAGC  
 TGGGGCCAGAAGAGGAAGACCAGGCCAGGCTGGTGACTCACAGGGAACAACCTCCTTCTAAGCTGAA  
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 GGACTGCGGAATGCTGTTTGTGCAACCTTCGGGGAGGAGCACTACAGAGGACCACAGACACAGGTGGAT  
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 GTCAGTGCATCCCTGAGCAGCGATGAAACTGAAATGTGTACTGCCGCAAGCGTATGAAGAGGGTGT  
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 GGAGCAGGGGCCAGCTGTTGCGCACGGTGTCCCTGGGCCAGATCGTCATCACCAGAATCGCAATGGGC  
 TCTACTACCGCTGCCGTGTCATTGGCACCCTGCTCAGACATTCTATGAGGTCAACTTCGATGATGGCTC  
 CTACAGCGACAACCTGTATCCAGAGAGCATCACAAGCAGAGACTGTCTGCGGCTAGGGCCGCCCTCCTGAG  
 GGCGAGCTGGTGGAGCTGCGGTGGACAGACGGTAACTGTACAGAGCCAGGTTACTCTCCATGGCCACCA  
 GCCTCATCTACCAGGTAGAGTTTGGAGTGGATCTCAGCTGACTGTGAAGCGTGGGACATCTTCACT  
 TGAAGAGGAATTGCCAAGAGGGTACGGTCCCGGCTGCTACTGAGCACCAGCACACCACAGGAGCCAGC  
 TTCTCCGAGATGGCGTGAAGGCCGCCAAGCGCCACGGGTGGCCACCCTGCTGGCCACCACCACTGAGG  
 ACACAGGGCGCAGCCAGAATACCTGGCCTTCTGAGAGCCTGCTGCAGGCGCAGGGCCAGCCTGGAGC  
 ACCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213063 representing NM\_001044236  
 Red=Cloning site Green=Tags(s)

MGSEDHSAQNPSCKIMTFRPTMDEFDRFNRYVAYIESQGAHRAGLAKIIPPKEWKPRQTYDDIDDVVIPA  
 PIQVVVTQSGSLFTQYNIQKKAMTVGEYRRLANSEKYCTPRHQDFDRLERKYWKNLTFVSPYIGADISGS  
 LYDDDDVAQWNIGNLRSILDMVERECGTIEGVNTPYL YFGMWKTTFAWHTEDMDL YSINYLHFGEPKSWY  
 AIPPEHGKRLERLAIGFFPGSSQGCDAFLRHKMTLISPIILKKYGIPIFSRITQEAGEFMITFPYGYHAGF  
 NHGFNCAESTNFATLRWIDYGVATQCTCRKDMVKISMDVFRILQPERYEQWKQGRDLTVLDHTRPTAL  
 SSPPELSSWSASRTSLKAKLLRRQISVKESRPWRKAEERRRPSLERRRREPTRRPGPASHRRRSQPKKSKPE  
 DSRSPGEATAGVAGLDEARGCSRRETMPEEEEEELSPSQGHEAEGVEEDGRGKPRPTKARSKKTPSLL  
 SPPLLSAPPALFPAEEVLRLLPPQKSPGPAMGPMAAEGPPPTALNVVPPGVPGEETEVRPRPIIPMLYV  
 LPRANSSDGDREHAAHPQLAPMELGPEEEDQAQAGDSQGTTSF SKLKVEIKKSRRHPLGRPPTRSPLSVV  
 KQEASSDEEAFPFSGEDDGSDEALRSLLSLQWKSKAASFQAERKLNAAAALSEPYCAVCTLFYPYSQSV  
 QTEREVLATPGDSAVQPPSKSGQRTRPLIPEMCF TSSGENTEPLPANSYVGEDGTSPLISCAHCLQVHA  
 SCYGVRELAKEGWTCRCAAHAWTAECCLCNLRGGALQRTTEHRWIHVICAIIVPEVRFNLNVIERNPVD  
 VSAIPEQRWKLKCVYCRKRMKRVSGACIQCSYEHCSFSHVTCAHAAGVLMPEDDWPYVVSITCLKHRAS  
 GAGGQLLRTVSLGQIVITKNRNLYYRCRVIGTTAQT FYEVNFDGYSYDNLYPESITSRDCLRLGPPPE  
 GELVELRWTGDNLYRARFISMATSLIYQVEFEDGSQTLVKRADIFL EEELPKRVR SRLSLSTGTPQEPS  
 FSGDGVKAAKRRPRVATVLAATTTEDTGRSPEYLAFMESLLQAQQQPGAPF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<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>NM_001044236.2</u> , <u>NP_001037701.2</u>
<b>RefSeq Size:</b>	4620 bp
<b>RefSeq ORF:</b>	3300 bp
<b>Locus ID:</b>	301128
<b>Cytogenetics:</b>	9q12
<b>MW:</b>	122.8 kDa