

## Product datasheet for **RR206477**

### Kdm2a (NM\_001108515) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kdm2a (NM\_001108515) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Kdm2a  
**Synonyms:** Fbxl11  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206477 representing NM\_001108515  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAACCTGAAGAAGAAAGGATTCGGTACAGCCAGAGATTGCGTGGTACCATGCGACGTCGCTATGAAG  
ATGATGGCATTTCAGATGATGAAATTGAAGGGAAAAGAACTTTTGACTTGAAGAGAAGCTCCATACCAA  
CAAATATAATGCCAATTTTGTACTTTTATGGAGGGAAAAGATTTAATGTAGAGTATATCCAGCGGGT  
GGCTTGAGAGACCTCTCATTTCAGAATTCTGATGGACTTGAATAAAGATGCCGGATCCAGACTTCA  
CAGTGAATGATGTCAAAATGTGTGTGGGAGTCGTCGGATGGTGGATGTCATGGACGTGAACACACAGAA  
GGGGATTGAAATGACCATGGCGCAATGGACACGATACTATGAGACTCCAGAGGAAGAGCGAGAGAAACTC  
TATAATGTTATCAGCCTAGAGTTTAGCCACACCAGGCTTGAGAATATGGTACAGCGGCCTCCACGGTGG  
ATTTCAATTGACTGGGTAGATAACATGTGGCCAAGGCACCTGAAAGAAAGTCAGACTGAATCAACAAATGC  
CATCTTAGAGATGCAGTACCCTAAAGTGCAAAAGTACTGTCTAATGAGTGTTCGAGGCTGCTATACTGAC  
TTCCATGTGGATTTTGGAGTACTTCTGTTTGGTATCACATCCACCAAGGTGAAAGGTCTTCTGGCTCA  
TCCCCCTACAGCCACAACCTGGAGCTGTACGAGAATTGGCTGCTATCAGGGAAACAGGGAGACATCTT  
TCTGGGTGACCGGTGTCAGATTGCCAACGAATTGAGCTCAAGCAGGGCTATACCTTCGTTATCCCTCA  
GGTTGGATTTCATGCTGTGTATACTCCTACGGACACATTAGTGTGGAGGCAATTTTTGTCATAGCTTTA  
ACATCCCCATGCAATTAAGATATATAGTATTGAAGATCGAACACGGGTTCCAAATAAATCCGTTACCC  
ATTTTACTATGAAATGTGTGGTATGTGTGGAGCGCTATGTACTGCATAACCAACCGATCTCACCTA  
ACTAAGGAATTTAGAAAGAATCCCTTAGCATGGATATGGAATTAATGAGTTGGAGTCTGGAAATGGT  
ATGAGGAAGGGCGGACAAGAAGCCCGACGCATGAACAGTAAGCGATCTGTGCTTACCAGCCCTGTGGC  
TAATGGAGTCAACCTGGATTATGATGGACTTGGCAAAGCCTGCCAAGTCTTCAAATCTGAAGAAAAC  
CTGTCTGGAGACTCATCCTCAGACTCTAGTCGGGGATCCCAATGGCCAAGTTGGGATCCCAATGTA  
GCCCTAGAAAGGATAGGCAAGTGCATCTGACCCACTTTGAACTTGAAGGTCTTCGATGTCTGTAGATAA  
GTTAGAGTCACTGCCACTGCACAAGAAGTGTGTCCCACAGGGATAGAAGACGAAGATGCTCTGATTGCT  
GATGTAAGATTTTGGTGGAAAGAACTTGCCAGTAGTGATCCCAAGTTAGCCCTCACTGGAGTTCCCATAG





**Protein Sequence:** >RR206477 representing NM\_001108515  
 Red=Cloning site Green=Tags(s)

MEPEEERIRYSQRLRGTMRRRYEDDGISDDEIEGKRTFDLEEKLHTNKYNANFVTFMEGKDFNVEYIQRG  
 GLRDPLIFKNSDGLGIKMPDDFTVNDVKMCGVSRMVDVMDVNTQKGIEMTMAQWTRYETPEEEREKL  
 YNVISLEFSHTRLENMVQRPSTVDFIDWVDNMWPRHLKESQTESTNAILEMQYPKVKYCLMSVRGCYTD  
 FHVDFGGTSVWYHIHQGGKVFVWLPPTAHNLEL YENWLLSGKQGDIFLGDRVSDCQRIELKQGYTFVIPS  
 GWIHAVYTPDTLVFGGNLFHSFNIPMQLKIYSIEDRTRVPNKFRYPFYEMCWYVLERVYVCITNRSHL  
 TKEFQKESLSMDMELNELESGNGDEEGADKEARRMNSKRSVL TSPVANGVNLDYDGLGKACRSLPNLKKT  
 LSGDSSDSSRSGSHNGQVWDPQCSPRKDRQVHL THFELEGLRCLVDKLESPLHKKCVPTGIEDEDALIA  
 DVKILLEELASSDPKLAL TGVPVQWPKRDKLFPTRPKVRVPTIPITKPHMTMPAPRL TPVRPAAASPI  
 VSGARRRRVRCRCKACVQGEQVCHYCRDMKKFGGPRMKQSCVLRQCLAPRLPHSVTCSL CGEVDQNE  
 ETQDFEKKLMECCICNEI VHPGCLQMDGELLNEELPNCWECPKCYQEDSSEKAQKRKIEESDEEAVQAK  
 VLRPLRSCEPLTPPPHSPTSMQLIHDVSPRGMVTRSSPGAGPSDHHSASRDERFKRRQLLRQATER  
 TMVREKENNPSGKKELSEVEKAKIRGSYLTVTLQRPTKELHGTSI VPKLQAITASSANLRPNRVLMOHC  
 PARNPQRGDEEGLGEEEEEEEEEDDSEEGGAARLNGRGSWAQDGDSEWVMSVFRYLSRREL  
 ECMRVCKTWYKCCDKRLWTKIDL SRCKAIVPQALSGIIRKQPVSLDL SWTNI SKKQLTWLVNRLPGLKD  
 LLLAGCSWSAVSALSTSSCP LLRLDLRWAVGIKDPQIRDLLTPPTDKPGQDNRSKLRNMTDFRLAGLDI  
 TDATLRL IIRHMP LL SRLDL SHCSHL TDQSSNLLTAVGSSTRYSL TELNMAGCNKLT DQTLFFLRRIANV  
 TLIDLRGCKQITRKACEHFISDLSINSLYCL SDEKLIQKIS

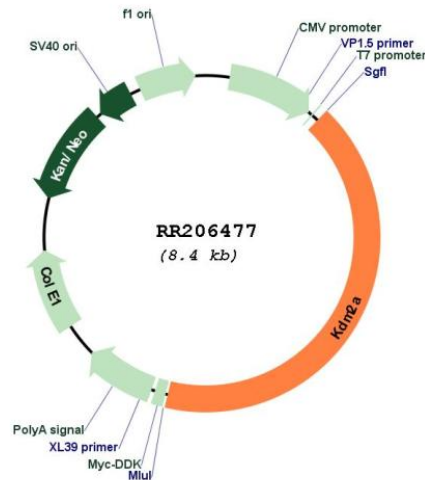
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001108515

**ORF Size:** 3483 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001108515.1](#), [NP\\_001101985.1](#)

**RefSeq Size:** 6807 bp

**RefSeq ORF:** 3486 bp

**Locus ID:** 361700

**Cytogenetics:** 1q43

**MW:** 132.7 kDa