

Product datasheet for RC211590

KDM3B (NM_016604) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KDM3B (NM_016604) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KDM3B
Synonyms:	5qNCA; C5orf7; DIJOS; JMJD1B; NET22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211590 representing NM_016604 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

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CCTCGGCCTCGGCTCCCGCGGCGCAGCGGCGAGCGGAGATCCGGGGCCTGCGCTGCGCACTCGAGCCTG
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GGTCTCTTGTATGGGCGCCCGTGAGGACCCAGTCTTCTCCAGGGCATTGAGTCTCCATTGCACAATG
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CAGTCCAATGGTGTCTAGCCACAGAGAACAACCTTTGGGCTTCTCTTTGGCTGTAGCTCTGCACAAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211590 representing NM_016604
Red=Cloning site Green=Tags(s)

MADAAASPVGKRLLLLFADTAASASASAPAAAAASGDPGALRTRAWRAGTVRAMSGAVPQDLAIFVEFD
GCNWKQHSWVKVHAEVIVLLLEGSLVWAPREDPVLQGIRVSIQWPALFTFTPLVDKGLGVSVPVEYL
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NRNIRFATYTKENGRTLVQDEPVGDDTPASFTPYSTATGQTPLAPEVGAENKEAGKTLEQVQGIVAS
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GIDLETISKYILANVGDFCQLVMSEKEAMMMVEPHQKVAWKRAVRGVREMCVCEITLFINHWVCRKCGF
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PLKTDSSASNSSELKAI RPPCPDTAPPSSALHWLADLATQKAKEETKEAGLSRVLNKESSHSPFLDSF
NSTAKVSPLTPKLFNSLLL GPTASNKTEGSSLRDLLHSGPGKLPQTPLDTGIPFPVFTSSAGVKS
SLPNFLDHIIASVVENKKTSDASKRACNLTDQKEVKEMVMGLNVLDPHTSHSWL CDGRLLCLHDP
SNKNWKIFRECWKQGPVVLVSGVHKLLKSELWKPEAFSQEFGDQDVLVNCRNCAIISDVKVRDFWDFE
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YNAYGLITAEDRRVGTTLNHLVDVSDAVNVMVYVGIPIGEGAHDEEVLKTIDEGDADEVTKQR
IHDGKEKPGALWHIYAAKDAEKIRELLRQVGEQGENPPDHPIHDQSWYLDQTLRKRLYEEYGVQGW
AIVQFLGDVFIIPAGAPHQVHNLVSCIKVAEDFVSPEHVKHCFLRQEFRHLSNHTNHEDKLQV
KNIIYHAVKDAVGT LKAHESKLARS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8102_c12.zip

Restriction Sites:

SgfI-MluI

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_016604.3](#), [NP_057688.2](#)

RefSeq Size: 6830 bp

RefSeq ORF: 5286 bp

Locus ID: 51780

UniProt ID: [Q7LBC6](#)

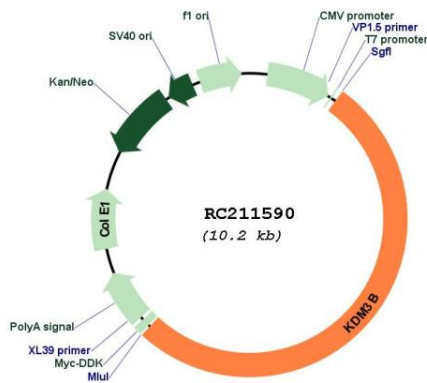
Cytogenetics: 5q31.2

Domains: JmjC

MW: 191.6 kDa

Gene Summary: Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Demethylation of Lys residue generates formaldehyde and succinate. May have tumor suppressor activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC211590