

Product datasheet for MR224073

Kdm3b (NM_001081256) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kdm3b (NM_001081256) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kdm3b
Synonyms: 5830462I21Rik; JHDM2B; Jmjd1b; mKIAA1082
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224073 representing NM_001081256
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

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 CTTTCGGCCTCGGCCCCACGGCGCGCGGTAGTGAGCGGAGATCCTGGCCTGCGCTGCGCACTCGGGC
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AGCCAGTCCAATGGAGTTTTAGCCACAGATAACAAGCCTTTGGGCTTCTCTTTCAGCTGCAGCTCTGCAT
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 ACTCTCAAGGCCACGAATCCAAGCTCGCAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224073 representing NM_001081256
 Red=Cloning site Green=Tags(s)

MADAAASPVGKRLLLLFADPTASASASAPTAADVSGDPALRTRAWRAGTVRAMSGAVPQDLAIFVEF
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 LDRELRFVSDANGMHLFQMGTDVQNIILLEHAALRETVNALISDQKLQEIFSRGPYSVQGHRVKVYQPE
 GEEVWLCGVVSRQDSVTRLMEVSIETETGEVKSVDPRLTHVMLMDSSTPQSEGTTIKAVKSSKGGKKKRESI
 EGRDGRRRKSASDSGCDPATKCLKGDRGEVDSNGSDGGEASRGPWKGGNASGEPGLEQRAKQPPSTFVPQ
 INRNIRFATYTKENGRTLVVQDEPVGGDTPVPFTPYASATGQTPLAPEVGAENKEAGKTLQVVSQGMVA
 SAAVVTASSTPTTVRISDTGLASGTGPEKQKGSWSQASGENSRNSSLASSGFGVLSLSSQPLTFGSGR
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 FGVCLDCYRLRKSRRPSETEEMGDEEVSWLKCAKQGSHEPENLMPTQIIPGTALYNIQDMVHAARGKWG
 IKANPCISRQSKSVLRPAVTNGISQLPSVTPSASSGNETTFSSGGAAAVTNPEPDQVPKAGTDGRSE
 EPLKAEGSASNSSELKAIRPPCPDTAPPSSALHWLADLATQKAKEETKDAGSLRSVLNKESHSPFLGDS
 FNSTAKVSPLTPKLFNSLLLGPASNSKTEGSSLRDLLHSGPGKLPQTPLDTGIPFPVVFSSSAVAKSK
 ASLPDFLDHIIASVVENKKTSDPSKRSCNLTDTQKEVKEMAMGLNVLDPHTSHSWLCDGRLLCLHDPNSK
 NNWKIFRECWKQGPVLSVGVHKKLKSELWKPEAFSQEFQDQVDLVNCRNCAIISDVKVRDFWDGFEEI
 CKRLRSEDGQPMVLKLDWPPGEDFRDMMPTRFEDLMENLPLPEYTKRDGRLNLASRLPSYFVRPDLGPK
 MYNAYGLITAEDRRVGTNLHLDVSDAVNVMVYVGIPIVGEGAHDEEVKTIIDEGDADEVTKQRIHDGKEK
 PGALWHIYAAKDAEKIRELLRKVGEEQQENPPDHPIDHQSWYLDQILRKRLFEEYGVQGWAIIVQFLGD
 AVFIPAGAPHQVHNLYSICKVAEDFVSPEHVKHCFLRTQEFRHLSNTHNTHEDKLQVKNIYHAVKDAVG
 TLKAHESKLARS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9105_f10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001081256

ORF Size: 5286 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_001081256.1](#), [NP_001074725.1](#)

RefSeq Size: 7112 bp

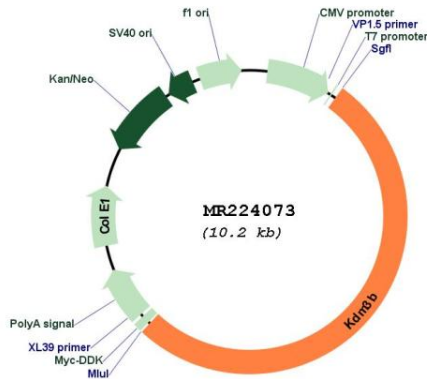
RefSeq ORF: 5289 bp

Locus ID: 277250

Cytogenetics: 18 B1

MW: 191.5 kDa

Product images:



Circular map for MR224073