

## Product datasheet for **SC308891**

### KDM3B (NM\_016604) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KDM3B (NM_016604) Human Untagged Clone
Tag:	Tag Free
Symbol:	KDM3B
Synonyms:	5qNCA; C5orf7; DIJOS; JMJD1B; NET22
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016604, the custom clone sequence may differ by one or more nucleotides

```

ATGGCGGACGCGGCGGCCTCCCCGGTGGGCAAGCGGCTGCTGCTGCTGTTGCGGGACACT
GCGGCCTCAGCCTCGGCCTCGGCTCCCAGCGGCGGAGCGGAGATCCGGGGCCT
GCGCTGCGCACTCGAGCCTGGCGGGCCGGCACGGTGCGGGCCATGAGCGGGCGGTGCC
CAGGACCTAGCGATCTTTGTAGAATTTGATGGCTGTAAGTGAAGCAACTCCTGGGTA
AAAGTTCATGCTGAGGAAGTTATCGTGCTTCTGCTGGAAGGGTCTTTGTATGGGCGCC
CGTGAGGACCCAGTCTTCTCCAGGGCATTGAGTCTCCATTGCACAATGCCAGCCCTG
ACTTTTACTCCCCTTGTAGATAAACTGGGTTTGGGTTCTGTGGTCCAGTGAATATCTT
CTGGATCGAGAGCTTCGGTTCCTGTCAGATGCCAATGGGTTGCATCTGTTTCAGATGGGA
ACAGATAGCCAAAACAGATTCTTTTGGAACTGCTGCACTGAGAGAAACAGTTAATGCT
TTGATCAGTGACAAAAGCTACAAGAGATATTCAGCCGAGGTCCTACAGTGTTCAGGT
CACAGGGTCAAAAATATCAGCCAGAGGGGGAAGAAGGGTGGCTCTATGGTGTGTGAGC
CATCAGGACTCCATCACTCGTCTTATGGAGGTGTCTGTAAGTGAAGTGGTGAAGTCAAG
TCGGTAGATCCCAGACTAATCCATGTGATGCTGATGGATAATCAACGCCTCAAAGCGAG
GGGGTACGTTAAAAGCAGTAAAATCTTCAAAGGAAAGAAGAAGAGAGAAAGCATAGAG
GGGAAAGATGGCCGGAGGAGGAAAAGTGTTCGACTCTGGTGTGACCCCTGCATCAAAG
AAATTTAAAGGAGACAGGGGTGAAGTAGACAGTAAATGGGAGCGATGGAGGTGAGGCAAGC
CGAGGGCCCTGGAAGGAGGGAATGCCAGTGGAGAGCCAGGGCTGGATCAGAGAGCCAAG
CAGCCACCGTCTACATTTGTCCCCAGATAAACCGCAACATTCGCTTTGCCACTTACACC
AAAGAAAACGGCAGGACTCTGGTGTGAGGATGAGCCTGTAGGTGGGACACACCTGCA
TCTTTCACTCCATATTCTACAGCCACAGGTGAGACACCTTTGGCCCCAGAGGTGGTGGG
GCCGAAAACAAAGAGGCAGGAAAACACTGGAACAAGTTGGCCAGGGCATAGTGGCTTCC
GCAGCTGTGGTCACTACCGCCAGCTCCACCCAAACACAGTGAAGTCTCAGACTGCGC
CTTGACAGCAGGACTGTGCCAGAAAACAGAAAGCAGCCGGTGCAGGCTCGGGAGAG
AATTCAAGAAAATTCTATTCTGGCCTCTTCTGGATTTGGAGCACCTCTCCCTAGTTATCG
CAACCTTTGACTTTTGAAGTGAAGGAGCCAGTCCAATGGTGTCTAGCCACAGAGAAC
AAACCTTTGGGCTTCTCTTTGGCTGTAGCTCTGCACAAGAGGCACAGAAAGACTGAT
CTCTCCAAAACCTTGTCTTTTCAATGCATGTCCAAAACCTTACCTACCAGTAACTACTTC
ACTACTGTTTCAGAGAGTTTGGCTGATGATTCTTCTAGTCGGGACTCATTCAAACAAAGC
CTTGAGAGCCTGAGCTCAGGCCTGTGTAAGGCAGATCCGTTCTTGAACAGACTAAG

```



[View online »](#)

CCAGGCTCTAAGGCTGGCAGCTCTGTGGACCGAAAGTGCTGCAGAGTCCATGCCACC  
 CTACTIONCAGCCTTCCCACGGAGCCTCCTAAATGCCCGTACCCAGAGAATCATGAAAT  
 CTATTTTTACAGCCCCCAAATTGTCCCAGAGAAGCCTTCTAATCCTTTCTGGCATT  
 GTGGAGAAAGTTGAACACAGCCCTTTCAGTAGTTTTGCATCTCAGGCATCAGGTAGCTC  
 TCTTCTGCTACCACTGTCACCTCCAAGGTGGCACCCAGCTGGCCCGAGTCTACTCCTCT  
 GCAGATTCCGCATCTTTAGCAAAGAAGAAACCCCTTTCATTACAACACTGACTCCTCCAAG  
 CTAGATCTGGTGTCTGGGCTCAGCTTTACCAGTGGGGGCCCAAGCCTCTCTGCCATG  
 GGAATGGCCGCTCCAGCTCGCCACCAGCAGCCTCACTCAGCCATTGAGATGCCAACT  
 CTCTCCTCTAGCCCCACAGAGGAGAGGCCAACTGTGGGGCTGGGCAGCAGGACAATCCC  
 CTCCTCAAACCTTTAGTAACGTCTTTGGCAGGCACTCAGGCGGCTTTCTGCTCCTCCCG  
 GCAGATTTTTACAGGAGAACAAAGCTCCTTTTGAAGCTGTGAAAAGTTCTCACTGGAT  
 GAACGAAGCTTGGCTTGCAGACAAGACTCGACTCCAGCACCAACAGTGACTGTCAGAT  
 TTGAGTGACTCTGAGGAGCAGCTGCAGGCTAAGACAGGCCTGAAGGAATTCCAGAGCAC  
 CTGATGGGAAGCTGGGCCCAATGGGAGCGCAGTGCTGAGCTGTTGCTGGGCAAAAGC  
 AAAGGGAAGCAGGCCCAAGGGCGGCTCGACTGCCCCCTGAAAGTTGGCCAGTCA  
 GTGCTGAAAGATGTAAGCAAAGTGAAGAAGCTGAAGCAATCTGGAGAGCCCTTCTCGAG  
 GATGGGTGATGCATCAATGTGGCACCTCATCTGCACAAGTGTCTGATGCCGCCTGGAG  
 CGGTACCGGAAGTTAAGGAACAGGAGCAAGATGATTCTACTGTAGCCTGCCGTTTCTTT  
 CACTTCCGGAGGTTGATCTTCACTCGAAAAGGGTACTCCGTGTGGAGGGTTTTTAAGC  
 CCCCAGCAAAGTGACCCTGATGCCATGAACCTGTGGATTCCCTCTTCTCCTAGCAGAA  
 GGGATAGATCTAGAGACCTCAAATACATCCTGGCCAATGTTGGGACCAGTTCTGCCAG  
 CTCGTAATGTCTGAGAAGGAGCCATGATGATGGTGGAGCCACACCAGAAAGTGGCATGG  
 AAGCGAGCTGTGGTGGTACGGGAGATGTGTGATGTGTGAAACAACCTCTCTTCAAC  
 ATCCACTGGGTTTTGTCGCAAATGTGGATTTGGGGTCTGCCTTGACTGTTACCGGCTCAGG  
 AAAAGCCGGCCACGCAGTGAGACAGAAGAGATGGGTGATGAAGAAGTTTTCTCTGGTTG  
 AAGTGTGCAAAGGGACAGTCCCACGAACCAGAGAATCTCATGCCACACAAATTATCTCT  
 GGCACAGCTCTTTACAATATTGGAGACATGGTACATGCTGCCCGGGCAAGTGGGGAATT  
 AAAGCAAACCTGCCCTTGTATCAGTCGACAGAACAATCTGTATTGAGACCTGCCGTACC  
 AATGGGATGTCACAGCTTCTAGCATAAACCTAGTGCCTTCTTGGAAACGAACTACC  
 TTCTCTGGTGGAGGAGGACCGGACCAGTAACAACCTCCAGAGCCGGACCATGTTCCCAA  
 GCCGACAGCACTGACATCAGATCTGAAGAGCCTCTGAAAACAGACAGTTCCGCATCAAT  
 AGCAATAGTGAAGTGAAGCCATCAGGCCTCCTTGCCTGACACGGCCCCACCCTCTCC  
 GCCCTGCACTGGTTGGCAGATTTAGCAACTCAGAAGGCTAAAGAAGAAACAAAAGAGCA  
 GGGTCCCTGAGGTCGGTCTCAATAAAGAGTCTCATTACCCCTTTGGGCTGGACTCGTTC  
 AACTCCACTGCAAAGGTCTCTCCGCTGACTCCAAAGCTTTTTAACAGTCTGTTGCTGGGT  
 CCCACTGCCTCCAACAACAAAACCGAAGGGTCTAGCCTTCGAGACCTCCTTCACTCCGGG  
 CCGGAAAAACTTCTCAAACCCCTTGGACACAGGCATACCCTTTCCCCGGTCTTCTCT  
 ACATCCTCAGCAGGAGTGAAGAGCAAGGCCAGCCTACCCAACCTTCTTGACCACATCATT  
 GCCTCAGTGGTAGAAAAAAGAAAACCTCAGATGCTTCAAAGCGGGCCTGCAACTTGACT  
 GATACCCAGAAGGAAGTGAAGGAGATGGTATGGGGTTAAATGTGCTAGATCCCCATACT  
 TCTCACTCCTGGCTTTGTGATGGGAGGCTTCTGTGCTCCATGACCCAGCAACAAAAAC  
 AATTGGAAGATCTTCCGGGAGTGTGGAAGCAAGGTGAGCCAGTCTGGTTTCGGGGGTA  
 CATAAAAAGCTCAAGTCTGAGCTCTGGAAGCCAGAAGCCTTAGCCAGGAATTTGGAGAC  
 CAGGATGTAGACTTGGTGAAGTGCAGGAAGTGTCTATAATTTCCGATGTGAAAGTTCGG  
 GATTTCTGGGATGGTTTCGAGATCATATGCAAACGACTACGGTCAAGATGGGCAGCCA  
 ATGGTGTCAAACCAAGGACTGGCCTCCTGGGAAGATTTTCGAGACATGATGCCAAC  
 AGTTTTGAAGATCTGATGGAGAACCTTCTCTGCCAGAATATACCAAACGAGATGCCAGG  
 CTAATCTGGCCTTAGGCTACCTAGCTACTTTGTAAGGCTGATCTGGGCCCAAGATG  
 TACAACGCCTATGGGTTGATAACAGCAGAAGATAGAAGAGTTGGTACAACAAATCTTAC  
 TTAGATGTGTCTGATGCTGTTAATGTGATGGTGTATGTTGGGATCCCATCGGGGAGGGT  
 GCTCATGATGAAGAGGTAACAGACAATTGACGAGGGAGATGCCGATGAGGTGACGAAG  
 CAGAGGATTCATGATGAAAAAGAGAAGCCAGGTGCTTTATGGCACATCTATGCAGCCAAG

GATGCAGAGAAGATCCGGGAGCTGCTCCGAAAGGTTGGAGAAGAACAAGCCAAGAGAAC  
 CCCCTGATCATGACCCAATTCATGACCAAAGTTGGTACCTGGACCAGACCCTCCGTAAG  
 CGACTCTATGAGGAGTATGGCGTGCAAGGCTGGGCTATTGTGCAGTTCCTAGGTGATGCT  
 GTTTTCATACCTGCTGGAGCCCCACACCAGGTTACAATCTATACAGTTGCATAAAAGTA  
 GCAGAAGACTTTGTATCTCCAGAACATGTAAAGCACTGTTCCGCCTGACTCAGGAATTC  
 AGGCATCTCTAACACTCATAAAATCATGAGGATAAACTGCAGGTGAAGAACATCATT  
 TACCATGCAGTGAAAGATGCGGTTGGCACCCCTCAAGGCTCATGAATCCAAACTGGCAAGG  
 TCCTAG

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_016604
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_016604.3</a></u> , <u><a href="#">NP_057688.2</a></u>
<b>RefSeq Size:</b>	6830 bp
<b>RefSeq ORF:</b>	5286 bp
<b>Locus ID:</b>	51780
<b>UniProt ID:</b>	<u><a href="#">Q7LBC6</a></u>
<b>Cytogenetics:</b>	5q31.2
<b>Domains:</b>	JmjC
<b>Gene Summary:</b>	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]