

Product datasheet for **SC314123**

KDM1B (NM_153042) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KDM1B (NM_153042) Human Untagged Clone
Tag: Tag Free
Symbol: KDM1B
Synonyms: AOF1; C6orf193; LSD2
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_153042 edited
 CTCGCGGCGCGGCTGCAGCCGCTCTGTGCGCGCGCGCGGCTCCGGAGAGCGCCCGC
 AGTCCAGGGCGGCGCGCACCGCCTCGCTGGCGCTCAGAGCGGTGCCTTTTCCCCGAGACT
 CCCGGCACCTCTTCAGCGCAAAGATTATTTAATGTAATGGCAACTCCACGGGGGAGGACA
 AAGAAAAAAGCATCTTTTGATCATTCTCCGGATAGCCTTCCTTTGAGGAGCTCCGGTAGG
 CAGGCGAAAAAGAAAGCAACAGAGACAACAGATGAGGATGAAGATGGTGGCTCAGAGAAG
 AAGTACAGGAAATGTGAAAAGGCAGGCTGTACGGCAACATGTCCTGTGTGCTTTGCAAGT
 GCTTCTGAAAGATGTGCCAAAAATGGCTACACCTCCCGATGGTATCATCTCTCTGTGGG
 GAACATTTCTGTAATGAATGCTTTGACCATTACTACAGAAGCCATAAGGATGGATATGAC
 AAATACTACATGGAAAAAAATATGGACTAGCAATGGCAAAACCGAACCTAGTCCCAAA
 GCTTTCATGGCAGACCAGCAACTCCCCTACTGGGTTTCAGTGTACAAAACCTGAGTGTAGA
 AAATGGAGGCAGCTTACCAAGGAAATCCAGCTTACTCCACAGATAGCCAAGACTTATCGA
 TGCGGTATGAAACCAAATACTGCTATTAAGCCTGAGACCTCAGATCATTGTTCCCTCCCA
 GAGGATCTAGAAGCTCTTACTCCTCAGAAATGTATTCCTCACATCATCGTCCGGGGTCTC
 GTGCGTATTCGATGCGTTTCCAGGAAGTGGAGAGAACTACTGTATTTTATGACCAGAAAAGGT
 CTCATCAACACTGGAGTTCTCAGCGTGGGAGCCGACCAGTATCTTCTCCCTAAGGACTAC
 CACAATAAATCAGTCATCATTATCGGGGCTGGTCCAGCAGGATTAGCAGCTGCTAGGCAA
 CTGCATAACTTTGGAATTAAGGTGACTGTCCTGGAAGCCAAAGACAGAATTGGAGGCCGA
 GTCTGGGATGATAAATCTTTTAAAGGCGTCACAGTGGGAAGAGGAGCTCAGATTGTCAAT
 GGGTGTATTAACAACCCAGTAGCATTAAATGTGTGAACAAGTATCTGCTCGCTCGTGGGAC
 CACAATGAATTCTTTGCCAGTTTGGTGGTACCACACTCTGCTAACTCCCGGGTACTCG
 GTGATAATTGAAAAACTGGCAGAAGGGCTTGACATTCAACTCAAATCTCCAGTGCAGTGT
 ATTGATTATTCTGGAGATGAAGTGCAGGTTACCACTACAGATGGCACAGGGTATTCTGCA
 CAAAAGGTATTAGTCACTGTACCACTGGCTTTACTACAGAAAAGGTGCCATTAGTTTAAAT
 CCACCGTTGTGAGAGAAGAAGATGAAGGCTATCAACAGCTTAGGGCAGGCATCATTGAA
 AAGATTGCCTTGAATTTCCGTATAGATTTTGGGACAGTAAAGTACAAGGGGCTGACTTT
 TTTGGTACGTTCTCCAGTGCCAGCAAGCGAGGGCTTTTGGCGTGTCTATGACATG



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GATCCCCAGAAGAAGCACAGCGTGCTGATGTCTGTGATTGCCGGGGAGGCTGTGCGATCC
GTGAGGACCTGGACGACAAACAGGTGCTGACGAGTGCATGGCCACGCTCCGGGAGCTG
TTCAAGGAGCAGGAGGTCCCAGATCCCACAAAGTATTTTGTCACTCGGTGGAGCACAGAC
CCATGGATCCAGATGGCATAACAGTTTTGTGAAGACAGGTGGAAGTGGGGAGGCCTACGAT
ATCATTGCTGAAGACATTCAAGGAACCGTCTTTTTCGTGGTGGGCAACAAACAGGCAT
TTCCCACAAACTGTTACAGGGGCATATTTGAGTGGCGTTCGAGAAGCAAGCAAGATTGCA
GCATTTTAAAGAAATTCGGTGGACCCAGCTTTCTTCTGTACCCAGATGGGGAAATTTGAAT
CACATGTTAAACCTCAGTTTTTATAAGAGGGGAAAAAACCGTCTCTACATAGTAAAACTG
AAATGTTTCTAAGGCGATATGATAATGCAAACCTATTTTCACTCTAAAAGCACTGACC
TCAAAAAACCTTATAAGCACTTAGATTTAATTGCATTTTCCATAGGTTCAACTACTGCTG
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TAGGACACTTTAAATATCCTTAATTTTGGCAACCACTAGCAAAAAACTTGTGAGAATAA
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ATGTGAGCTCTCCTGGTAAATAGTATACATTTTATAAGCTATATTTTAAAGGCCTAAGAA
CATGGCAAGTATTTACTTTTATCTTTTTTTTTAAAAACACTCATGACAGAAAAACAGTTTAA
TAATATCTCATTCTAAAATAAAACACTGGTTGCAGGGTCTTCCAGGATGCCTATTTTGCCA
AGAAACTTCAGTATACAGGTTAGAAATATGCTTTTGTTTTTGAACAATAATACTGGTT
TGCTTTAAAGAAGGGACTAAATATGACTTTAAAGAGACTTCAAAATATTGAGTATTTTAA
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GAACCTCAGGCATTTAAGACACCTCCCCACCGCCGCCCCCCCCCCCCCAATCAAAG
TGTGGTCCAAAAACAAGCCAACAGCTGTATATCTCAAAGTTAACCCAAGACAACCTGA
TATTTAGGTTATTTGTTGAGACTCATTGGTACTGACTGGCAAGTATTCTGCTTTAAAGTA
TCATGTATTTAAATGTTTAGACAGCATGTGTTTTAAAGTGATAAATGCAAATGTTAAGT
TTGAAATGGTTAACAGTAAATTATTATGTTAGTTTCCAGGCACCTGAACTGTGCTACAAG
TAGGGGAAAAACCTACTTTAAAGTATGGTAAATGTGTGTTTTAACTTCTATCAAGTGAC
ATACTTCATTTGATTTTTTGTAAAGAAGCCATGGTACTTTTTTCTTGAGTTACTTTGGA
TATGTTTTTCAATGCCATCTGAAGATTTGTAAATGAGTAGCAGTAAATATACAGATTT
ACAATGTTTTAACTACAGTTCATGAATAGCTGGTTGTGTAAAACATAAAAAACTAGAC
TTTCACATGTAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_153042 unedited</p> <pre>TCCATTGTATACGACTCCTATAGGGCGGCCGCGATCTTCGGCACGAGGCTCGCGGCCGG CTGCAGCCGTCCTGTGCGCGCGGCCGCGCGGCTCCGGAGAGGCCGCCGAGTCCAGGGCGG CGCGCACCCGCTCGTGGCGCTCAGAGCGGTGCCTTTTCCCGGAGACTCCCGGCACCTCT TCAGCGCAAAGATTATTTAATGTAAATGGCAACTCCACGGGGGAGGACAAAGAAAAAGCA TCTTTTGTATCATTCTCCGGATAGCCTTCCTTTGAGGAGCTCCGGTAGGCAGGCGAAAAAG AAAGCAACAGAGACAACAGATGAGGATGAAGATGGTGGCTCAGAGAAGAAGTACAGGAAA TGTGAAAAGGCAGGCTGTACGGCAACATGTCTGTGTGCTTTGCAAGTGCTTCTGAAAGA TGTGCCAAAAATGGCTACACCTCCCGATGGTATCATCTCTCTGTGGGGAACATTCTGT AATGAATGCTTTGACCATTACTACAGAAGCCATAAGGATGGATATGACAAATATACTACA TGGAAAAAATATGGACTAGCAATGGCAAAACCGAACCTAGTCCCAAAGCTTTCATGGCA GACCAGCAACTCCCCTACTGGGTTCAAGTGTACAAAACCTGAGTGTAGAAAATGGAGGCAG CTTACCAAGGAAATCCAGCTTACTCCACAGATAGCCAAGACTTATCGATGCGGTATGAAA CCAAATACTGCTATTAAGCCTGAGACCTCAGATCATTGTTCCCTCCAGAGGATCTAGAA GCTCTTACTCCTCAGAATGTATTCTCACATCATCGTCCGGGGTCTCGTGCGTATTCGAT GGTTTCAGAAAGTGAGAGATACTGTATTTTATGACCAGAAAGGTCTCATCACACTGGAG TTCTCAGCGTGGGGAGCGACCAAGTATCTTCTCCTAGACTACACAATAAATCAGTCATCAT ATCGGGGCTGGTCCAGCCAGGAATAAGACAGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' genomic read for NM_153042 unedited</p> <pre>CGCGATGCACTTCCGGGCGGAGAGCACTGGGGAGGGTACAGGGATGCCCCCGGGATC TGTTTCAGGAAACAGCTATGACCGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTT TTTACATGTGAAAGTCTAGTTTTTATTAGTTTTACACAACCAGCTATTCATGAAGTGA GTTAAACATTGTAATCTGTATATTTACTGCTACTCAATTACAAAATCTTCAGATGGCA TTGAAAAACATATCCAAAGTAACTCAAGAAAAAGTACCATGGCTTCTTAAACAAAAA TCAAATGAAGTATGTCACCTGATAGGAAGTTTAAACACACATTTACCATACTTTAAAGT AGTTTTTCCCCTACTTGTAGCACAGTTCAAGTGCCTGGAATAACATAATAATTTACTG TTAACCATTTCAAACCTTAACTTTTGCATTTATCACTTTAAACACATGCTGTCTAAACA TTTTAATACATGATACTTTAAAGCAGAATACTTGCCAGTCAGTACCAATGAGTCTCAACA AATAACCTAAATATCAGAGTTGTCTTGGGTTAACTTTTGAGATATACAGCTGTTGGCTTG TTTTGGGACCACACTTTGATTGGGGGGCGGGGGCGGGCGGTGGGGAGGTGTCTTAA ATGCTGAGGTTCACTGCACATTCTTGGTGTGTTAGGTATTTACTCGTTATAAACTGACC TACTTTTAAATTTTTAAATACTCAATATTTGAAGTCTCTTAAAGTCATATTTAGTCC CTTCTTTAAAGCAAACAGTATATTATTGTTCAAAAACAAAAGCATATTTCTAACCTGTA TACTGAAGTTTCTGGCAAAAATAGGCATCCTGAAGACCCTGCACAGTGTATTTAGATG AGAAATTAATACTGTTTCTGTCTGGATGTTTTAAAAGATAAAGTAATACTTGGCATGT TCTAGGCTAAATTACTTATGAT</pre>
Restriction Sites:	Please inquire
ACCN:	NM_153042
Insert Size:	4200 bp
OTI Disclaimer:	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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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:	<ol style="list-style-type: none">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_153042.2 , NP_694587.2
RefSeq Size:	3811 bp
RefSeq ORF:	1773 bp
Locus ID:	221656
UniProt ID:	Q8NB78
Cytogenetics:	6p22.3
Domains:	Amino_oxidase
Protein Families:	Druggable Genome
Gene Summary:	<p>Flavin-dependent histone demethylases, such as KDM1B, regulate histone lysine methylation, an epigenetic mark that regulates gene expression and chromatin function (Karytinos et al., 2009 [PubMed 19407342]).[supplied by OMIM, Oct 2009]</p> <p>Transcript Variant: This variant contains multiple differences, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.</p>