

Product datasheet for **MC224658**

Kdm5b (NM_152895) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kdm5b (NM_152895) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kdm5b
Synonyms:	2010009J12Rik; 2210016I17Rik; AW556288; D1Ertd202; D1Ertd202e; Jari; Jarid1b; mKIAA4034; Pl; PLU; PLU-1; Plu1; PUT1; Rb-B; Rb-Bp2; RBBP2H1A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224658 representing NM_152895 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCGGCCACCACGCTGCCCCAGGCCCGCCCGCGCTGCCCTCGGGGGCCGGGCCCGCTGG
GAGAGTTCCTGCCTCCCCCGAGTGTCCGGTCTTCGAGCCGAGCTGGGAAGAGTTCGCGGACCCCTTCGC
TTTCATCCACAAGATCCGGCCATAGCCGAGCAGACTGGGATCTGTAAGGTGCGGCCCGCCGGATTGG
CAGCCACCATTGCTTGTGATGTCGATAAACTTCATTTACCCCCGGATCCAGAGGCTGAATGAGCTGG
AGGCCAAACACGTGAAAATTGAATTTCTGGACCAGATTGCAAAGTATTGGGAGCTACAAGGAAGTAC
TCTGAAGATTCACCGTGGAGAGAAAGATCTTAGACTTGTCCAGCTAAATAAGTTAGTCGAGAAGAA
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CATGATATTCACAGAGGCAGTCTGTGCAGCCCGAGAAACCTGTCTCCGGCCCGGAGCAAAGCGCA
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CCCAGTGAAGAAGAAAGACTGCGAGTTAGAAAGTGAGAAGGAGAAGCCCAAGAGCCGGGCCAAGAAAACGG
CCTGCGGTGGACCTGTATGTGCTCTTATGTGGAAGTGGCAATGACGAGGACCGACTCCTACTGTG
TGACGGCTGTGATGACAGTTACCACACCTTCTGCCTGGTTCCCCCTCTCCATGACGTTCCCAAGGGAGAC
TGGAGGTGCTCAAGTGTGGCTCAAGAAATGTAATAAGCCACAAGAAGCTTTTGGTTTTGAACAAGCAG
CAAGGGACTATACACTTCGTACATTTGGAGAAATGGCAGATGCATTCAAATCTGATTACTTCAACATGCC
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GTCACGGTGGAGTATGGAGCTGATATTGCTTCAAAGAGTTTTGGCAGTGGCTTTCCTGTTTCGAGATGGGA
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ATGTGCTTTTCTTATTCTGTTGGCACATTGAAGACCACTGGAGCTATTCAACTACCTACACTGGG
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 CGCTCCTGAGCTCTTTGTGTCCAGCCGGACCTGCTCCACCAGCTGGTGACCATCATGAACCCCAACT
 CTGATGACTCATGAAGTGCCTGTTTATCGAACCAATCAGTGTGCTGGGGAGTTTGAATTACGTTTCCAA
 GAGCCTACCACAGTGGCTTCAACCAAGGTTTTAATTTTGGCAGGCTGTTAACTTCTGCACTGTTGATTG
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 ACATGGCCATCATGATCGAGGACGAGAAAAGCTTTAAGGGAACTGTTCCGAAATTGGGAGTAATTGATTC
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 AAGTTAGAGAGCCTGAGCGATCTGGAGAGGCTCTGATGGAGAGCAAAGAGACTGCGGCAGCTATGGCAA
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 TCTACTGGACAGAGTTGTCTCCCTCCATGGTTTGTAGTCCAGAAGTGAATGAATTGCTGATGGAAGCCC
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 TCAGCAAGCTGACCGAAGTTACCAAGTTAGATCCAGCAGTGAAGAAGCATTGCCTTCGAGGAAACGA
 GATGCAATCAACAGTCTGAGAGGAACTGAAAAGGCCCCAGAAAGAGAAGGCCTTCTAGCGAGCGGT
 GGGATCGAGTTAAACACATGCGGACCCCAAAAGAAAGAAATCAAACCTGAGTCAACCCAAAGGACATGGA
 CAGTTTCAAGTTAGAAAGAGAGCGTAGCTATGACTTAGTGCGTAATGCTGAAACTCATTCCCTGCCTCA
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 CCAAGCCGAAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_152895

Insert Size:	4635 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).
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_152895.2 , NP_690855.2
RefSeq Size:	6300 bp
RefSeq ORF:	4635 bp
Locus ID:	75605
UniProt ID:	Q80Y84
Cytogenetics:	1 58.24 cM
Gene Summary:	This gene encodes a lysine-specific histone demethylase that belongs to the jumonji/ARID domain-containing family of histone demethylases. The encoded protein is capable of demethylating tri-, di- and monomethylated lysine 4 of histone H3. This protein plays a role in the transcriptional repression or certain tumor suppressor genes and is upregulated in certain cancer cells. This protein may also play a role in genome stability and DNA repair. Homozygous mutant mice display decreased body weight, decreased female fertility, lower uterine weight, and a delay in mammary development. Knockout of this gene has also been associated with embryonic lethality. [provided by RefSeq, Dec 2016]