

## Product datasheet for **RC223401L4V**

### **KDM4B (NM\_015015) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	KDM4B (NM_015015) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KDM4B
Synonyms:	JMJD2B; TDRD14B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_015015
ORF Size:	3288 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223401).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_015015.1</a> , <a href="#">NP_055830.1</a>
RefSeq Size:	5595 bp
RefSeq ORF:	3291 bp
Locus ID:	23030
UniProt ID:	<a href="#">O94953</a>
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome
MW:	121.7 kDa



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**Gene Summary:**

Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate. [UniProtKB/Swiss-Prot Function]