

## Product datasheet for **RC219461L3V**

### **KDM6B (NM\_001080424) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	KDM6B (NM_001080424) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KDM6B
Synonyms:	JMJD3; NEDCFSA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001080424
ORF Size:	5046 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219461).
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_001080424.1</a>
RefSeq Size:	6704 bp
RefSeq ORF:	5049 bp
Locus ID:	23135
UniProt ID:	<a href="#">O15054</a>
Cytogenetics:	17p13.1
MW:	180.5 kDa



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**Gene Summary:**

The protein encoded by this gene is a lysine-specific demethylase that specifically demethylates di- or tri-methylated lysine 27 of histone H3 (H3K27me2 or H3K27me3). H3K27 trimethylation is a repressive epigenetic mark controlling chromatin organization and gene silencing. This protein can also demethylate non-histone proteins such as retinoblastoma protein. Through its demethylation activity this gene influences cellular differentiation and development, tumorigenesis, inflammatory diseases, and neurodegenerative diseases. This protein has two classical nuclear localization signals at its N-terminus. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Feb 2017]