

## Product datasheet for **RC200574L3V**

### **KDM4A (NM\_014663) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	KDM4A (NM_014663) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KDM4A
Synonyms:	JHDM3A; JMJD2; JMJD2A; TDRD14A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_014663
ORF Size:	3192 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200574).
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_014663.2</a> , <a href="#">NP_055478.1</a>
RefSeq Size:	4526 bp
RefSeq ORF:	3195 bp
Locus ID:	9682
UniProt ID:	<a href="#">O75164</a>
Cytogenetics:	1p34.2-p34.1
Domains:	PHD, TUDOR, JmjC, JmjN
Protein Families:	Druggable Genome, Transcription Factors



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**MW:** 120.7 kDa

**Gene Summary:** This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein containing a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. This nuclear protein functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor. [provided by RefSeq, Apr 2009]