

## **Product datasheet for RC200574L3**

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OriGene Technologies, Inc.

### KDM4A (NM\_014663) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: KDM4A (NM\_014663) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: KDM4A

Synonyms: JHDM3A; JMJD2; JMJD2A; TDRD14A

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200574).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_014663

ORF Size: 3192 bp





#### KDM4A (NM\_014663) Human Tagged Lenti ORF Clone - RC200574L3

**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. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**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:** 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: <u>NM 014663.2</u>, <u>NP 055478.1</u>

 RefSeq Size:
 4526 bp

 RefSeq ORF:
 3195 bp

 Locus ID:
 9682

 UniProt ID:
 075164

**Cytogenetics:** 1p34.2-p34.1

**Domains:** PHD, TUDOR, JmjC, JmjN

**Protein Families:** Druggable Genome, Transcription Factors

MW: 120.7 kDa

**Gene Summary:** This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein

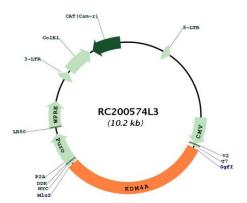
containing a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. This nuclear protein functions as a trimethylation-specific demethylase,

converting specific trimethylated histone residues to the dimethylated form, and as a

transcriptional repressor. [provided by RefSeq, Apr 2009]



# **Product images:**



Circular map for RC200574L3