

Product datasheet for RC211182L1

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

KDM4C (NM_015061) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: KDM4C (NM_015061) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: KDM4C

Synonyms: GASC1; JHDM3C; JMJD2C; TDRD14C

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC211182).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_015061

ORF Size: 3168 bp





KDM4C (NM_015061) Human Tagged Lenti ORF Clone - RC211182L1

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: NM 015061.2

RefSeq Size: 4687 bp RefSeq ORF: 3171 bp Locus ID: 23081 **UniProt ID:** Q9H3R0

Cytogenetics: 9p24.1

Protein Families:

Domains: PHD, TUDOR, ImjC, ImjN

Druggable Genome, Transcription Factors MW: 120 kDa

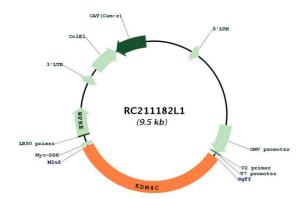
Gene Summary: This gene is a member of the Jumonji domain 2 (JMJD2) family. The encoded protein is a

> trimethylation-specific demethylase, and converts specific trimethylated histone residues to the dimethylated form. This enzymatic action regulates gene expression and chromosome segregation. Chromosomal aberrations and changes in expression of this gene may be found in tumor cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq,

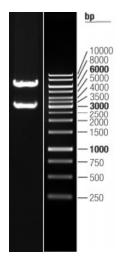
Jan 2015]



Product images:



Circular map for RC211182L1



Double digestion of RC211182L1 using Sgfl and Mlul