

Product datasheet for **MR224566L4V**

Kdm4c (NM_001172095) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Kdm4c
Synonyms:	2410141F18Rik; AA517467; Gascl; Jmjd2c
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001172095
ORF Size:	3213 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR224566).

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.

RefSeq: [NM_001172095.1](#), [NP_001165566.1](#)

RefSeq Size: 4207 bp

RefSeq ORF: 3216 bp

Locus ID: 76804

UniProt ID: [Q8VCD7](#)

Cytogenetics: 4 C3



Gene Summary:

Histone demethylase that specifically demethylates 'Lys-9' and 'Lys-36' residues of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27' nor H4 'Lys-20'. Demethylates trimethylated H3 'Lys-9' and H3 'Lys-36' residue, while it has no activity on mono- and dimethylated residues. Demethylation of Lys residue generates formaldehyde and succinate (By similarity).[UniProtKB/Swiss-Prot Function]