

## Product datasheet for **MR211981L2V**

### **Kdm6a (NM\_009483) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Kdm6a (NM_009483) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Kdm6a
Synonyms:	Utx
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_009483
ORF Size:	4272 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211981).
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_009483.1</a>
RefSeq Size:	5309 bp
RefSeq ORF:	4275 bp
Locus ID:	22289
UniProt ID:	<a href="#">O70546</a>
Cytogenetics:	X 13.45 cM



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**Gene Summary:**

Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code. Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-27'. Plays a central role in regulation of posterior development, by regulating HOX gene expression. Demethylation of 'Lys-27' of histone H3 is concomitant with methylation of 'Lys-4' of histone H3, and regulates the recruitment of the PRC1 complex and monoubiquitination of histone H2A (By similarity). Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression (PubMed:21095589).[UniProtKB/Swiss-Prot Function]