

Product datasheet for **MR212028L4V**

Kdm5b (NM_152895) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Kdm5b (NM_152895) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Kdm5b
Synonyms:	2010009J12Rik; 2210016I17Rik; AW556288; D1Ertd202; D1Ertd202e; Jari; Jarid1b; mKIAA4034; Pl; PLU; PLU-1; Plu1; PUT1; Rb-B; Rb-Bp2; RBBP2H1A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_152895
ORF Size:	4632 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR212028).
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_152895.2 , NP_690855.2
RefSeq Size:	6300 bp
RefSeq ORF:	4635 bp
Locus ID:	75605
UniProt ID:	Q80Y84
Cytogenetics:	1 58.24 cM



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Gene Summary:

This gene encodes a lysine-specific histone demethylase that belongs to the jumonji/ARID domain-containing family of histone demethylases. The encoded protein is capable of demethylating tri-, di- and monomethylated lysine 4 of histone H3. This protein plays a role in the transcriptional repression of certain tumor suppressor genes and is upregulated in certain cancer cells. This protein may also play a role in genome stability and DNA repair. Homozygous mutant mice display decreased body weight, decreased female fertility, lower uterine weight, and a delay in mammary development. Knockout of this gene has also been associated with embryonic lethality. [provided by RefSeq, Dec 2016]