Product datasheet for MR211711L4V

Jarid1d (BC059077) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Jarid1d (BC059077) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Jarid1d
Synonyms:	HY; Jarid1d; Smcy
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC059077
ORF Size:	3450 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211711).
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:	BC059077, AAH59077
RefSeq Size:	4051 bp
RefSeq ORF:	3452 bp
Locus ID:	20592
Cytogenetics:	Ypter

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Gene Summary:

Histone demethylase that specifically demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9', H3 'Lys-27', H3 'Lys-36', H3 'Lys-79' or H4 'Lys-20'. Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-4'. May play a role in spermatogenesis. Involved in transcriptional repression of diverse metastasis-associated genes; in this function seems to cooperate with ZMYND8. Suppresses prostate cancer cell invasion. Regulates androgen receptor (AR) transcriptional activity by demethylating H3K4me3 active transcription marks (By similarity). [UniProtKB/Swiss-Prot Function]