

Product datasheet for **MR202363L4V**

Alkbh4 (NM_028070) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Alkbh4
Synonyms:	2010004B12Rik; Abj4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_028070
ORF Size:	645 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR202363).

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_028070.1 , NP_082346.1
RefSeq Size:	1726 bp
RefSeq ORF:	648 bp
Locus ID:	72041
UniProt ID:	Q9D8F1
Cytogenetics:	5 G2



Gene Summary:

Dioxygenase that mediates demethylation of actin monomethylated at 'Lys-84' (K84me1), thereby acting as a regulator of actomyosin-processes. Demethylation of actin K84me1 is required for maintaining actomyosin dynamics supporting normal cleavage furrow ingression during cytokinesis and cell migration. May be involved in transcription regulation (By similarity).[UniProtKB/Swiss-Prot Function]