

Product datasheet for **MR200396L4V**

0610038D11Rik (BC019418) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	0610038D11Rik (BC019418) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	0610038D11Rik
Synonyms:	0610038D11Rik; Trm112p
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC019418
ORF Size:	324 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200396).
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:	BC019418 , AAH19418
RefSeq Size:	654 bp
RefSeq ORF:	326 bp
Locus ID:	67674
Cytogenetics:	19 A



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Gene Summary:

Acts as an activator of both rRNA/tRNA and protein methyltransferases (PubMed:26797129). Together with methyltransferase BUD23, methylates the N(7) position of a guanine in 18S rRNA (By similarity). The heterodimer with HEMK2/N6AMT1 catalyzes N5-methylation of ETF1 on 'Gln-185', using S-adenosyl L-methionine as methyl donor (PubMed:20606008, PubMed:26797129). The heterodimer with ALKBH8 catalyzes the methylation of 5-carboxymethyl uridine to 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in target tRNA species (By similarity). Involved in the pre-rRNA processing steps leading to small-subunit rRNA production (By similarity).[UniProtKB/Swiss-Prot Function]