

## Product datasheet for **MR202974L4V**

### Apip (NM\_019735) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Apip (NM_019735) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Apip
Synonyms:	APIP2; CGI-29; Mmmp19
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019735
ORF Size:	726 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR202974).
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_019735.2</a> , <a href="#">NP_062709.3</a>
RefSeq Size:	924 bp
RefSeq ORF:	726 bp
Locus ID:	56369
UniProt ID:	<a href="#">Q9WVQ5</a>
Cytogenetics:	2 E2



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**Gene Summary:**

Catalyzes the dehydration of methylthioribulose-1-phosphate (MTRu-1-P) into 2,3-diketo-5-methylthiopentyl-1-phosphate (DK-MTP-1-P). Functions in the methionine salvage pathway, which plays a key role in cancer, apoptosis, microbial proliferation and inflammation. May inhibit the CASP1-related inflammatory response (pyroptosis), the CASP9-dependent apoptotic pathway and the cytochrome c-dependent and APAF1-mediated cell death. [UniProtKB/Swiss-Prot Function]