

## Product datasheet for **MR200405L2V**

### **Fkbp1a (NM\_008019) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Fkbp1a (NM_008019) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Fkbp1a
Synonyms:	Fkb; Fkbp; Fkbp1; FKBP12
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_008019
ORF Size:	327 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200405).
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_008019.2</a>
RefSeq Size:	1667 bp
RefSeq ORF:	327 bp
Locus ID:	14225
UniProt ID:	<a href="#">P26883</a>
Cytogenetics:	2 G3



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**Gene Summary:**

This gene is a member of the immunophilin family. The encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin, and is associated with immunoregulation, protein folding, receptor signaling, protein trafficking and T-cell activation. It may modulate the calcium release activity of the ryanodine receptor Ryr1. It also interacts with the type I TGF-beta receptor. Disruption of this gene in mouse causes severe ventricular defects. Pseudogenes of this gene have been defined on chromosomes 4, 10, 14, and 16. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]