

## Product datasheet for **MR222787L3V**

### **Pus1 (NM\_019700) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Pus1 (NM_019700) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pus1
Synonyms:	A730013B20Rik; MPUS1; mPus1p
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_019700
ORF Size:	1269 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222787).
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_019700.4</a> , <a href="#">NP_062674.2</a>
RefSeq Size:	1838 bp
RefSeq ORF:	1272 bp
Locus ID:	56361
UniProt ID:	<a href="#">Q9WU56</a>
Cytogenetics:	5 F



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**Gene Summary:**

Converts specific uridines to PSI in a number of tRNA substrates. Acts on positions 27/28 in the anticodon stem and also positions 34 and 36 in the anticodon of an intron containing tRNA (PubMed:10094309). Involved in regulation of nuclear receptor activity possibly through pseudouridylation of SRA1 RNA (PubMed:15327771). Isoforms 3 and 4 do not form pseudouridine when expressed in vitro (PubMed:11085940).[UniProtKB/Swiss-Prot Function]