

## Product datasheet for **RR201385L4V**

### Lace1 (Afg1l) (NM\_001037656) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Lace1 (Afg1l) (NM_001037656) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Afg1l
Synonyms:	Lace1; MGC124994
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001037656
ORF Size:	1440 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR201385).
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_001037656.1</a> , <a href="#">NP_001032745.1</a>
RefSeq Size:	2045 bp
RefSeq ORF:	1443 bp
Locus ID:	502479
UniProt ID:	<a href="#">Q32PX9</a>
Cytogenetics:	20q13



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**Gene Summary:**

Putative mitochondrial ATPase. Plays a role in mitochondrial morphology and mitochondrial protein metabolism. Promotes degradation of excess nuclear-encoded complex IV subunits (COX4I1, COX5A and COX6A1) and normal activity of complexes III and IV of the respiratory chain. Mediates mitochondrial translocation of TP53 and its transcription-independent apoptosis in response to genotoxic stress.[UniProtKB/Swiss-Prot Function]