

## Product datasheet for **RC202313L4V**

### LACE1 (AFG1L) (NM\_145315) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	LACE1 (AFG1L) (NM_145315) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AFG1L
Synonyms:	AFG1; c222389; LACE1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145315
ORF Size:	1443 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202313).
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_145315.3</a>
RefSeq Size:	2262 bp
RefSeq ORF:	1446 bp
Locus ID:	246269
UniProt ID:	<a href="#">Q8WV93</a>
Cytogenetics:	6q21
MW:	54.8 kDa



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**Gene Summary:**

This gene encodes a mitochondrial integral membrane protein that plays a role in mitochondrial protein homeostasis. The protein contains a P-loop motif and a five-domain structure that is conserved in fly, yeast, and bacteria. It functions to mediate the degradation of nuclear-encoded complex IV subunits. Two conserved estrogen receptor binding sites are located within 2.5 kb of this gene. Polymorphisms in this gene have been associated with bipolar disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2016]