

## Product datasheet for **MR211209L4V**

### Aass (NM\_013930) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Aass (NM_013930) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aass
Synonyms:	LKR; LKR/SDH; Lo; LOR; LOR/SDH; Lorsdh; SDH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013930
ORF Size:	2778 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211209).
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_013930.4</a> , <a href="#">NP_038958.2</a>
RefSeq Size:	3701 bp
RefSeq ORF:	2781 bp
Locus ID:	30956
UniProt ID:	<a href="#">Q99K67</a>
Cytogenetics:	6 10.27 cM



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**Gene Summary:**

This gene encodes a bifunctional mitochondrial protein that catalyzes the first two steps in the lysine degradation pathway. The N-terminus contains lysine-ketoglutarate reductase activity and converts lysine to saccharopine, whereas the C-terminus contains saccharopine dehydrogenase activity and converts saccharopine to alpha-aminoadipate semialdehyde. Mutations in a human gene encoding a highly similar protein are associated with familial hyperlysinemia. [provided by RefSeq, Jul 2008]