

## Product datasheet for **MR209532L4V**

### Acad9 (NM\_172678) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Acad9 (NM_172678) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Acad9
Synonyms:	2600017P15Rik; 4732402K02; C630012L17Rik; NPD002
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172678
ORF Size:	1875 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209532).
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_172678.4</a>
RefSeq Size:	3934 bp
RefSeq ORF:	1878 bp
Locus ID:	229211
UniProt ID:	<a href="#">Q8JZN5</a>
Cytogenetics:	3 B



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**Gene Summary:**

Required for mitochondrial complex I assembly (By similarity). Has a dehydrogenase activity on palmitoyl-CoA (C16:0) and stearoyl-CoA (C18:0). It is three times more active on palmitoyl-CoA than on stearoyl-CoA. However, it does not play a primary role in long-chain fatty acid oxidation (By similarity). Has little activity on octanoyl-CoA (C8:0), butyryl-CoA (C4:0) or isovaleryl-CoA (5:0) (By similarity).[UniProtKB/Swiss-Prot Function]