

## Product datasheet for **MR203691L4V**

### Atg5 (NM\_053069) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Atg5 (NM_053069) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Atg5
Synonyms:	2010107M05Rik; 3110067M24Rik; Ap; Apg5l; Atg5l; AW319544; C88337; Pad; Paddy
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_053069
ORF Size:	828 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203691).
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_053069.5</a>
RefSeq Size:	2352 bp
RefSeq ORF:	828 bp
Locus ID:	11793
UniProt ID:	<a href="#">Q99J83</a>
Cytogenetics:	10 23.24 cM



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**Gene Summary:**

The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Two transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Sep 2015]