

Product datasheet for **MR200886L4V**

Atg12 (NM_026217) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Atg12 (NM_026217) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Atg12
Synonyms:	4931423H11Rik; A330058M13Rik; Apg12l; Atg12l
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_026217
ORF Size:	423 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200886).
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. More info
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:	NM_026217.1
RefSeq Size:	2459 bp
RefSeq ORF:	426 bp
Locus ID:	67526
UniProt ID:	Q9CQY1
Cytogenetics:	18 C



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Gene Summary:

Ubiquitin-like protein involved in autophagy vesicles formation. Conjugation with ATG5 through a ubiquitin-like conjugating system involving also ATG7 as an E1-like activating enzyme and ATG10 as an E2-like conjugating enzyme, is essential for its function. The ATG12-ATG5 conjugate acts as an E3-like enzyme which is required for lipidation of ATG8 family proteins and their association to the vesicle membranes.[UniProtKB/Swiss-Prot Function]