

Product datasheet for **MR218897L4V**

Atg10 (NM_025770) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Atg10 (NM_025770) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Atg10
Synonyms:	5330424L23Rik; 5430428K15Rik; Agp10; AI852123; APG10; Apg10I; Apg10p; Atg10I
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_025770
ORF Size:	633 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218897).
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_025770.3 , NP_080046.3
RefSeq Size:	1609 bp
RefSeq ORF:	636 bp
Locus ID:	66795
UniProt ID:	Q8R1P4
Cytogenetics:	13 C3



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Gene Summary:

E2-like enzyme involved in autophagy. Acts as an E2-like enzyme that catalyzes the conjugation of ATG12 to ATG5. ATG12 conjugation to ATG5 is required for autophagy. Likely serves as an ATG5-recognition molecule. Not involved in ATG12 conjugation to ATG3. Plays a role in adenovirus-mediated cell lysis.[UniProtKB/Swiss-Prot Function]