

Product datasheet for **MR218897L3V**

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-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| 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]