

Product datasheet for MR210108L3V

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Atg7 (NM_028835) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Atg7 (NM 028835) Mouse Tagged ORF Clone Lentiviral Particle

Symbol: Atg7

Synonyms: 1810013K23Rik; Agp7; Apg7l; Atg7l; Gm21553

Mammalian Cell

Selection:

ACCN:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

NM 028835

Tag: Myc-DDK

ORF Size: 2094 bp

ORF Nucleotide

Sequence:

The ORF insert of this clone is exactly the same as(MR210108).

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: <u>NM 028835.1</u>

 RefSeq Size:
 3061 bp

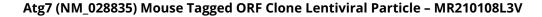
 RefSeq ORF:
 2097 bp

 Locus ID:
 74244

 UniProt ID:
 Q9D906

Cytogenetics: 6 E3







Gene Summary:

This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic to vacuole transport. The encoded protein is also thought to modulate p53-dependent cell cycle pathways during prolonged metabolic stress. It has been associated with multiple functions, including axon membrane trafficking, axonal homeostasis, mitophagy, adipose differentiation, and hematopoietic stem cell maintenance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]