

Product datasheet for **RC224817L4V**

ATG9B (NM_173681) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	ATG9B
Synonyms:	APG9L2; NOS3AS; SONE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_173681
ORF Size:	2772 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC224817).

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_173681.3](#), [NP_775952.4](#)

RefSeq Size: 4800 bp

RefSeq ORF: 2775 bp

Locus ID: 285973

Cytogenetics: 7q36.1

Protein Families: Transmembrane



MW: 100.8 kDa

Gene Summary: This gene functions in the regulation of autophagy, a lysosomal degradation pathway. This gene also functions as an antisense transcript in the posttranscriptional regulation of the endothelial nitric oxide synthase 3 gene, which has 3' overlap with this gene on the opposite strand. Mutations in this gene and disruption of the autophagy process have been associated with multiple cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2012]