

Product datasheet for **RC223078L3V**

MAP1LC3B2 (NM_001085481) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MAP1LC3B2 (NM_001085481) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MAP1LC3B2
Synonyms:	ATG8G
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001085481
ORF Size:	375 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223078).
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_001085481.1
RefSeq Size:	832 bp
RefSeq ORF:	378 bp
Locus ID:	643246
UniProt ID:	A6NCE7
Cytogenetics:	12q24.22
MW:	14.4 kDa



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Gene Summary:

Ubiquitin-like modifier involved in formation of autophagosomal vacuoles (autophagosomes). Plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation (By similarity).[UniProtKB/Swiss-Prot Function]