

Product datasheet for MC203443

Map1lc3b (NM_026160) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map1lc3b (NM_026160) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map1lc3b
Synonyms:	1010001C15Rik; Atg8; LC3b; Map1lc3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC068180

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CACACAAGGGAAGTGATCGTCGCCGGAGTCAGATCGTCTGGCTCGGGACCCCGCGGCCATGCCGTCGG
AGAAGACCTTCAAGCAGCGCCGGAGCTTTGAACAAAGAGTGGAAGATGTCCGGCTCATCCGGGAGCAGCA
CCCCACCAAGATCCCAGTGATTATAGAGCGATACAAGGGGGAGAAGCAGCTGCCCGTCTCGACAAGACC
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ATGCTAACCAAGCCTTCTCCTCCTGGTGAATGGGCACAGCATGGTGAGTGTGCCACTCCCATCTCCGA
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CTGCTCTGTCTTGTAGGTTGTATACGTCATTATGTCCTGGTTTTTATAACTATGGTGCATCAGTAA
GGATTCCTGTAATACTGCTTTAAAGATGCTGCTCAGAGGGCGGGCGCCCTCCATTATAGGACACCTGTAC
ACTCTGATGCACTAATAAAGGCACAACGAACCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	Ascl-NotI
ACCN:	NM_026160
Insert Size:	378 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC068180 , AAH68180
RefSeq Size:	1742 bp
RefSeq ORF:	378 bp
Locus ID:	67443
UniProt ID:	Q9CQV6
Cytogenetics:	8 E1
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. Promotes primary ciliogenesis by removing OFD1 from centriolar satellites via the autophagic pathway.[UniProtKB/Swiss-Prot Function]