

Specifications:

Gene:	mLamp2
Accession:	NP_034815.2
Insert size:	1261bp
Concentration:	10µg at 0.2µg/µL

mLAMP-2/CD107b cDNA Plasmid

**Lamp2 lysosomal-associated
membrane protein 2 [*Mus
musculus* (house mouse)]**

Also known as: LAMPB; CD107b;
LAMP-2; LGP110

Summary:

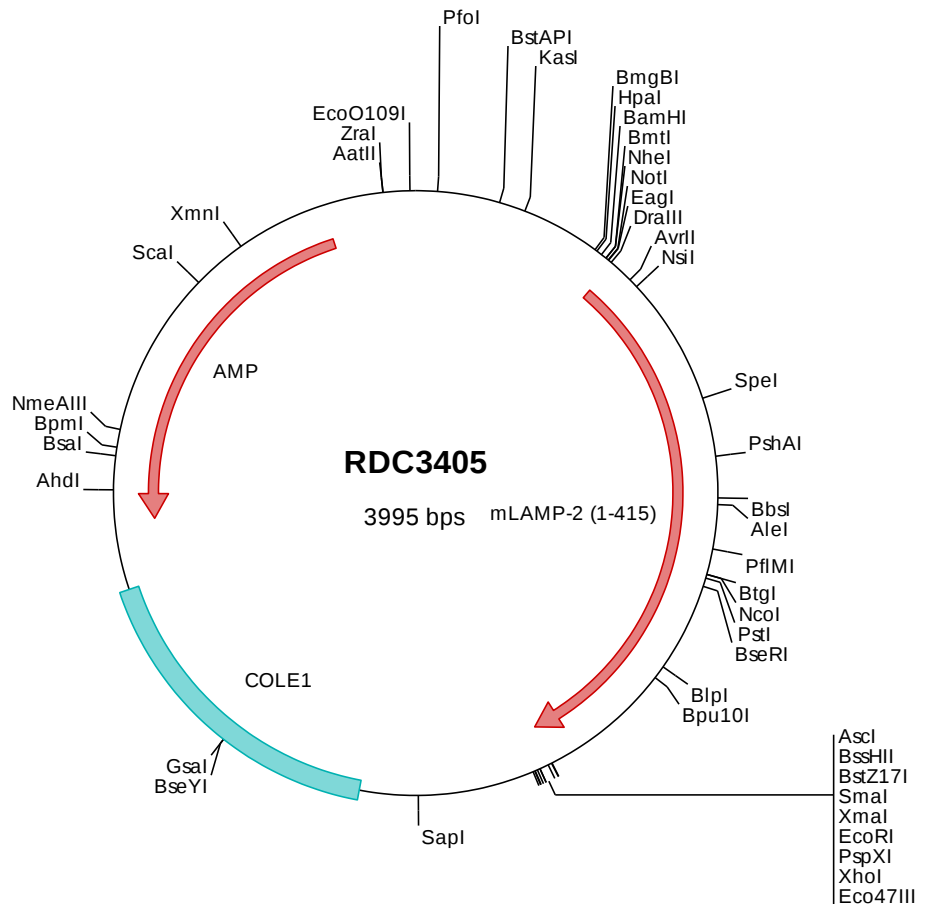
LAMP2 is a transmembrane glycoprotein that is a major component of lysosomal membranes. It may function in the protection, maintenance, and adhesion of the lysosome. In cytotoxic T cells and mast cells, LAMP2 is expressed in the membranes of intracellular granules that contain effector molecules such as perforin, granzymes, eicosanoids, and histamine. When on the cell surface, LAMP2 may present carbohydrates to selectins. LAMP2 may play an important role in tumor cell metastasis.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC3405 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaaat
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgccaacc atgtgcctct ctcgggttaa aggcgcaaa ctcaatctga tctttctgtt
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701  taatgataca atttggattc gctgtctctt gggctgtgaa ttttaccagg gaagcatctc attattoaat tcatgacatc gtgttttctt acaacactag
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> RDC3405 Translated Insert Sequence

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201  tapsttttlt ptstptptpt ptptvgnyis rngnttclla tmglqlnite ekvpfifnin pattnftgsc qpqsaglrln nsqikyldfi favknekrfy
301  lkevnvmyl angsfafnls knlsfwdapl gssymcnkeq vlsvsrafqi ntnflnkvpf nvtkgqysta gecsldddti lipiivga glgliivivia
401  yligrrktya gyqtl

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