# FUW mCherry-GFP-LC3

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|---|---|
| **Vector ID** | V000678 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 11138 bp |
| **Vector Type** | Lentiviral |

## Product Information

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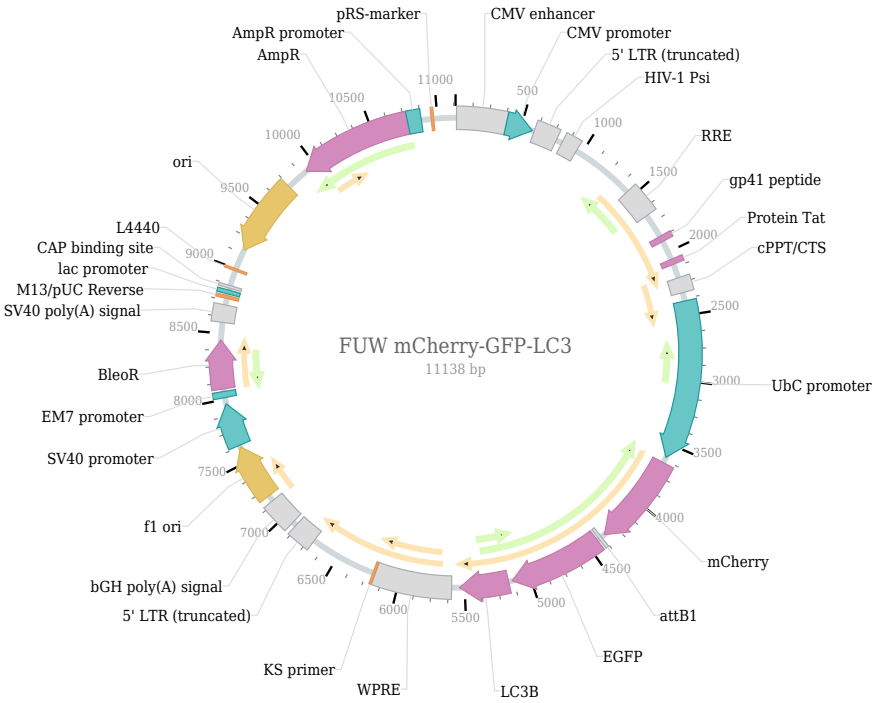
| **Replication Origin** | ori |
| **Promoter** | UbC |
| **Cloning Method** | TOPO Cloning |
| **5' Primer** | CGCGGATCCGGTCGCCACCATGGTGAGCAAGGGCGAG |
| **3' Primer** | CGCGGCGCGCCGCTGGGTCTAGATGCATGC |
| **Growth Strain(s)** | stbl3 |
| **Growth Temperature** | 37℃ |
| **Comment** | The FUW mCherry-GFP-LC3 contains GFP and mCherry fluorescence. It can to observe free autophagosomes and autophagosomes fused to lysosomes (autolysosomes; mCherry fluorescence only because GFP is acid sensitive). |

## Vector Map



## Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.