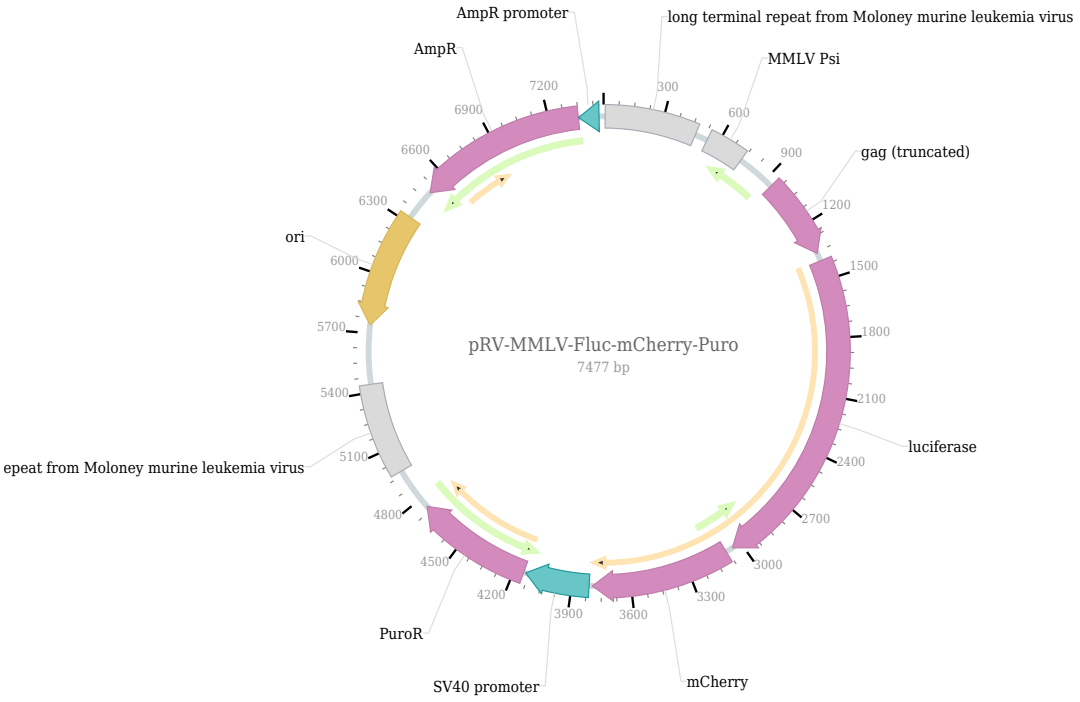
# pRV-MMLV-Fluc-mCherry-Puro

| | |
|---|---|
| **Vector ID** | V018121 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 7477 bp |
| **Vector Type** | Mammalian Expression Vectors |

## Product Information

| | |
|---|---|
| **Selection Marker** | Puro |
| **Copy Number** | High copy number |
| **Growth Strain(s)** | Stbl3 |
| **Growth Temperature** | 37℃ |
| **Comment** | pRV-MMLV-Fluc-mCherry-Puro is an MMLV-based replication-defective retroviral vector co-expressing firefly luciferase and mCherry with puromycin resistance. The multimodal reporter design supports bioluminescence quantification, fluorescence microscopy/FACS, and drug selection for stable reporter lines in tumor and immune cell tracking. |

## 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 ℃.