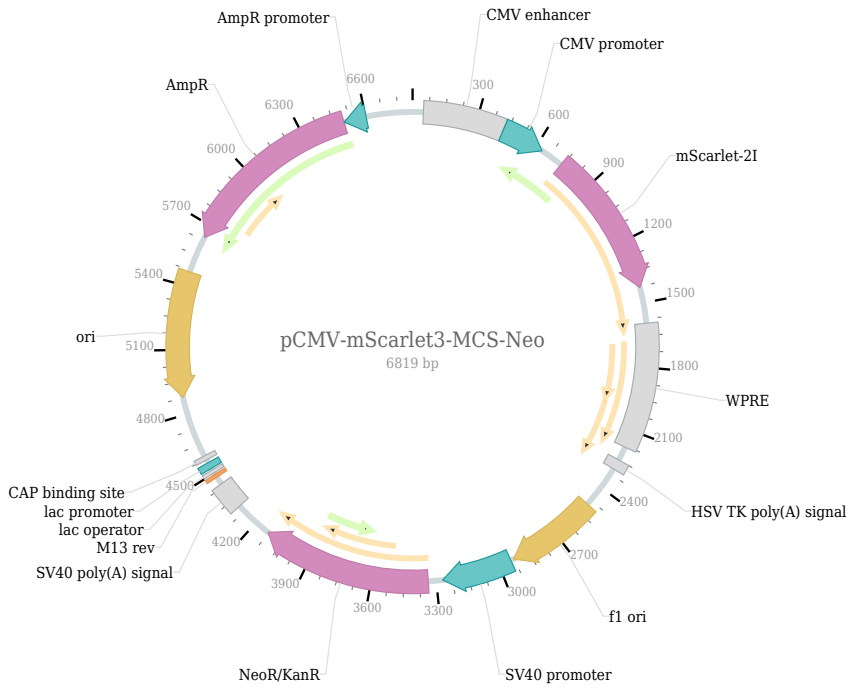
# pCMV-mScarlet3-MCS-Neo

| | |
|---|---|
| **Vector ID** | V017701 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 6819 bp |
| **Vector Type** | Protein expression |
| **Host** | Mammalian cells |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Selection Marker** | Neo/G418 |
| **Promoter** | CMV |
| **5' Primer** | CMV-F |
| **Growth Strain(s)** | DH10B |
| **Growth Temperature** | 37℃ |
| **Comment** | pCMV-mScarlet3-MCS-Neo is designed to express the mScarlet3 red fluorescent protein, driven by a strong CMV promoter. The vector features a multiple cloning site (MCS) for inserting additional genes and includes the NeoR/KanR gene for antibiotic selection in mammalian cells. It also contains the AmpR gene and bacterial origin for propagation in E.coli. |

## 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 ℃.