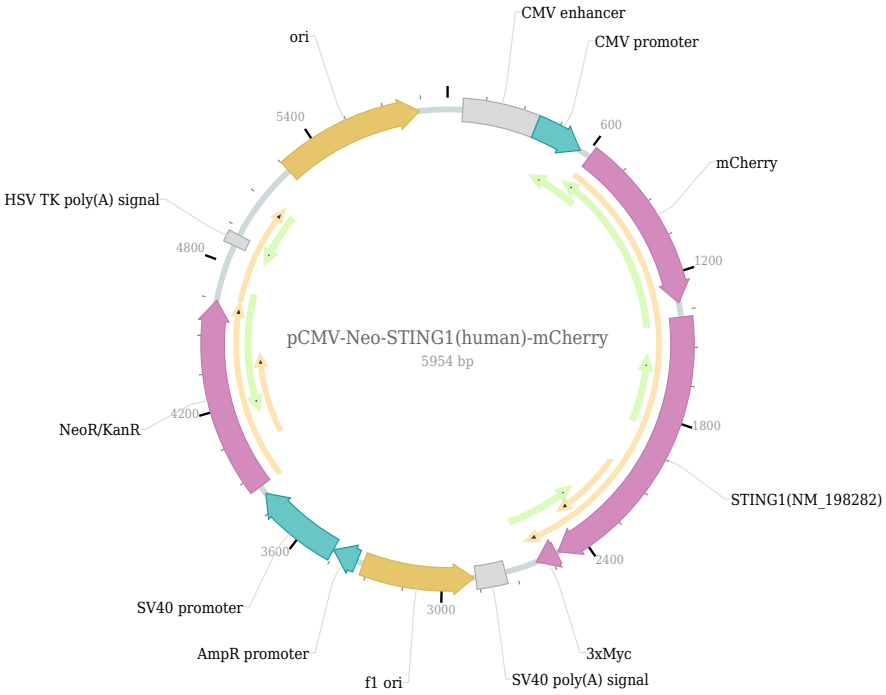
# pCMV-Neo-STING1(human)-mCherry

| | |
|---|---|
| **Vector ID** | V036233 |
| **Accession ID** | NM_198282.4 |
| **Antibiotic Resistance** | Kanamycin |
| **Length** | 5954 bp |
| **Vector Type** | Protein expression |
| **Host** | Mammalian cells |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Selection Marker** | Neo/G418;mCherry |
| **Promoter** | CMV |
| **5' Primer** | MCHERRY-F |
| **Fusion Tag** | mCherry |
| **Growth Strain(s)** | DH10B |
| **Growth Temperature** | 37℃ |
| **Expression Method** | Transient |
| **Comment** | It is designed for constitutive expression of the human STING1 gene with a 3xMyc tag and mCherry reporter, driven by the CMV promoter. The vector utilizes an SV40 promoter to drive the NeoR/KanR selection marker. It also features an f1 ori, ori, and AmpR promoter for bacterial replication and selection. |

## 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 ℃.