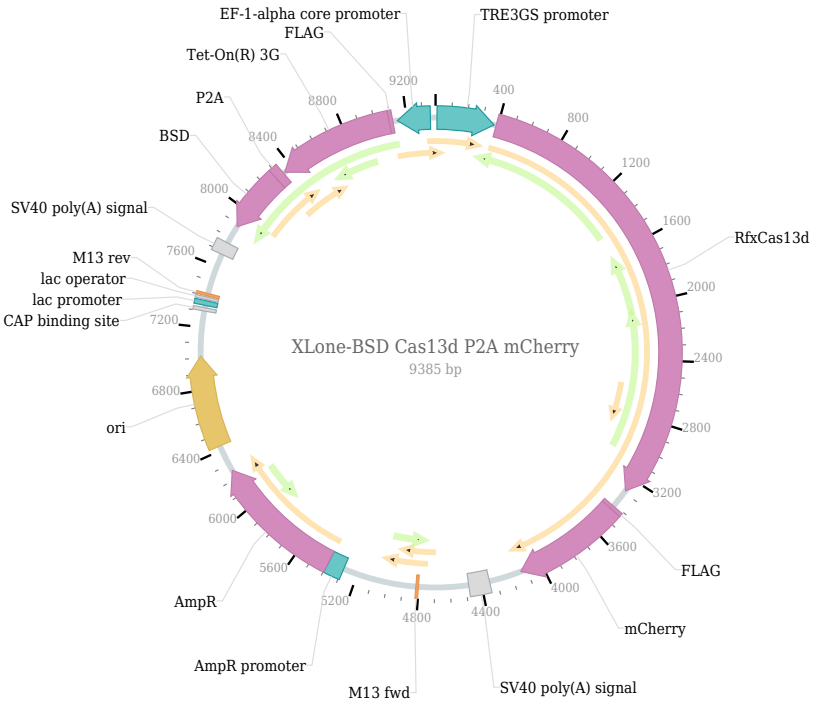
# XLone-BSD Cas13d P2A mCherry

| | |
|---|---|
| **Vector ID** | V014680 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 9385 bp |
| **Vector Type** | Genome editing |
| **Host** | Mammalian cells |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Selection Marker** | Blast |
| **Promoter** | TRE3GS |
| **Growth Strain(s)** | DH10B |
| **Growth Temperature** | 37℃ |
| **Comment** | XLone-BSD-Cas13d-P2A-mCherry relies on the CRISPR-Cas13d system for targeted RNA cleavage. Co-expression is achieved by linking Cas13d to mCherry via the P2A protein. By using the BSD resistance gene, it supports stable cell 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 ℃.