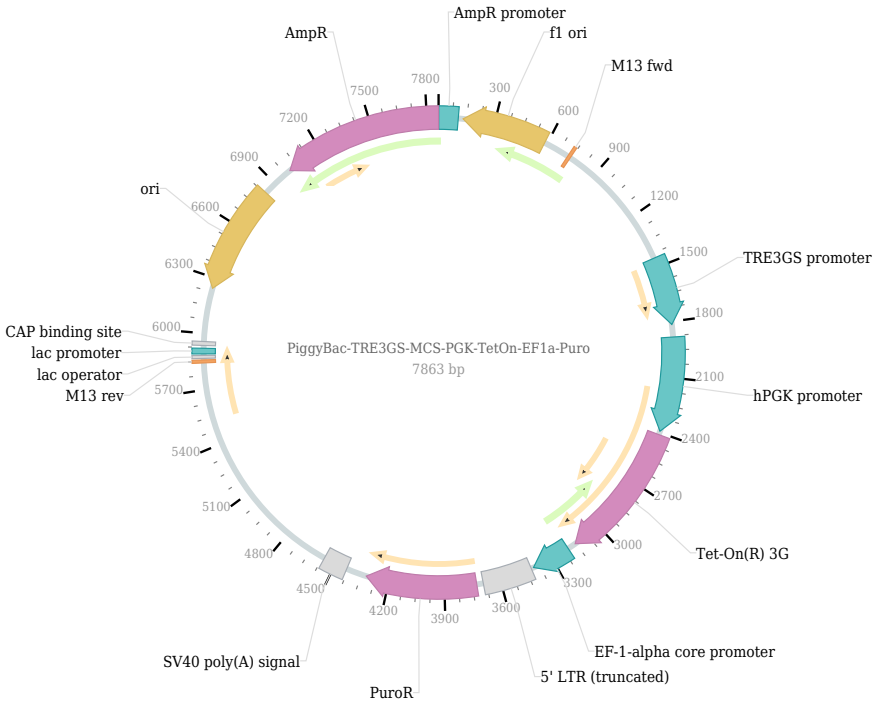
# PiggyBac-TRE3GS-MCS-PGK-TetOn-EF1a-Puro

| | |
|---|---|
| **载体编号 Vector ID** | V014163 |
| **抗性 Antibiotic Resistance** | Ampicillin |
| **长度 Length** | 7863 bp |
| **载体类型 Vector Type** | Protein expression, Transposition |
| **宿主 Host** | Mammalian cells |

## 产品信息

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|---|---|
| **复制子 Replication Origin** | ori |
| **筛选标记 Selection Marker** | Puro |
| **启动子 Promoter** | hPGK |
| **培养菌株 Growth Strain(s)** | Stbl3 |
| **培养温度 Growth Temperature** | 37℃ |
| **备注 Comment** | PiggyBac-TRE3GS-MCS-PGK-TetOn-EF1a-Puro (7.9 kb) is an all-in-one inducible expression system for mammalian cells. It combines the PiggyBac transposon (for genomic integration) with the Tet-On 3G system (for doxycycline-controlled gene expression). The vector features a TRE3GS promoter driving a gene of interest inserted into the MCS, a constitutive hPGK promoter driving the Tet-On 3G transactivator, and an EF-1α core promoter driving PuroR (puromycin resistance). It also includes AmpR for bacterial selection and is designed for generating stable, tightly regulated cell lines with minimal background expression. |

## 质粒图谱



## 复溶方法

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 ℃.