# pSP64-Tol2-Transposase

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|---|---|
| **Vector ID** | V012906 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 5143 bp |
| **Vector Type** | Protein expression, Transposition |
| **Host** | Mammalian cells |

## Product Information

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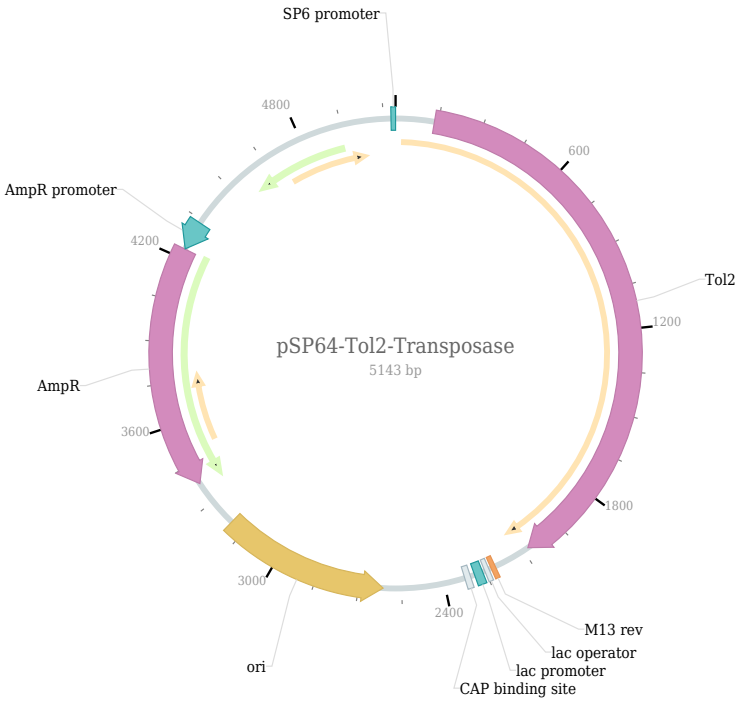
| **Replication Origin** | ori |
| **Promoter** | SP6 |
| **Growth Strain(s)** | DH10B |
| **Growth Temperature** | 37℃ |
| **Comment** | The pSP64-Tol2-Transposase designed to express the Tol2 transposase. It utilizes a strong SP6 promoter for high-level expression. For propagation in E. coli, it includes an AmpR gene, a bacterial origin (ori), and a lac operon system for potential regulation. The presence of an f1 origin allows for single-stranded DNA production. |

## 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 ℃.