# pCasKP-apr

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| **Vector ID** | V000068 |
| **Antibiotic Resistance** | Apramycin |
| **Length** | 11393 bp |
| **Vector Type** | Bacterial Expression, CRISPR, Synthetic Biology |

## Product Information

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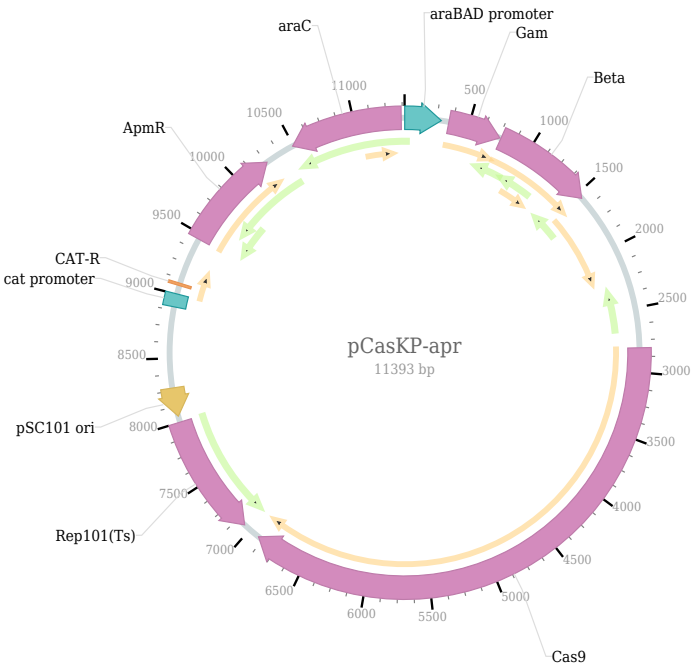
|---|---|
| **Replication Origin** | pSC101 ori |
| **Copy Number** | Low Copy |
| **Promoter** | araBAD |
| **Cloning Method** | Gibson Cloning |
| **5' Primer** | NA |
| **Growth Strain(s)** | DH10B |
| **Growth Temperature** | 30℃ |
| **Comment** | pSC101 ori is a low-copy replication origin that requires the Rep101 protein, which is a temperature-sensitive protein. When bacteria containing a plasmid with this ori is cultured at 37℃, the plasmid will be lost. |

## 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 ℃.