# pSMART HCKan

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| **Vector ID** | V011368 |
| **Antibiotic Resistance** | Kanamycin |
| **Length** | 1788 bp |
| **Vector Type** | Lucigen Vectors |

## Product Information

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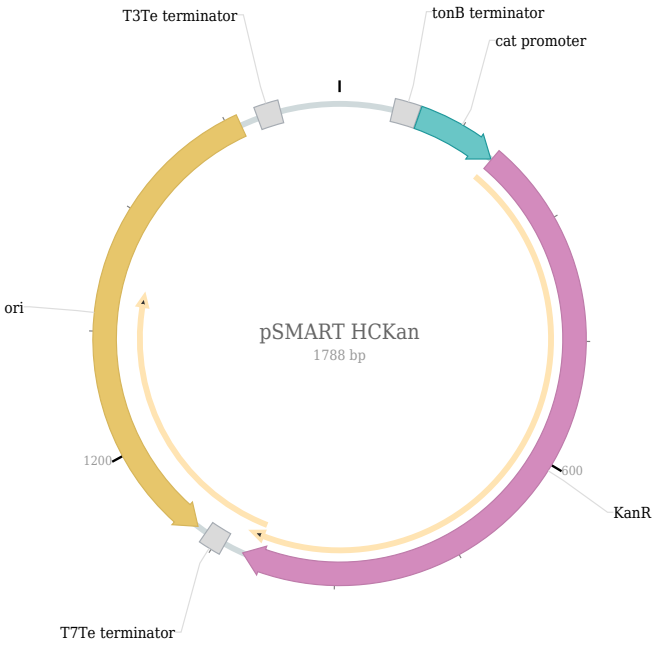
| **Replication Origin** | ori |
| **Source/Author** | Lucigen |
| **Copy Number** | High copy number |
| **Comment** | pSMART HCKan is a high-copy transcription-free cloning vector: strong transcriptional terminators flanking the cloning region minimize read-through RNA that destabilizes toxic or repetitive inserts. Kanamycin-resistant high-copy propagation of unstable DNA in E. coli (Godiska et al. 2010). |

## 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 ℃.