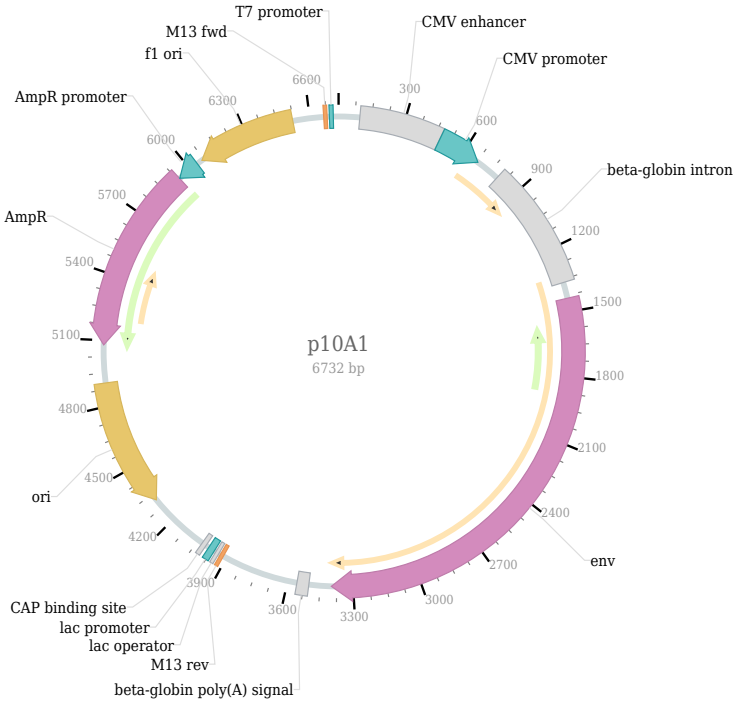
p10A1

Vector ID	V006879
Antibiotic Resistance	Ampicillin
Length	6732 bp
Vector Type	Retroviral Envelope Plasmids

Product Information

Replication Origin	ori
Promoter	CMV
Growth Strain(s)	DH10B
Comment	p10A1 expresses the 10A1 envelope protein under the control of the CMV immediate-early promoter (1).Virus packagedwith the 10A1 envelope protein can enter cells via two different surface molecules, the amphotropic retrovirus receptor or the GALV receptor, and therefore exhibits a broader host range than virus packaged with other envelope proteins (2, 3, 4). p10A1 includes IVS, a synthetic intron known to enhance the stability of the mRNA (5), the pUC origin of replication, and a bacterial ampicillin resistance (Ampr) gene for propagation and antibiotic selection in bacteria.

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 ℃.