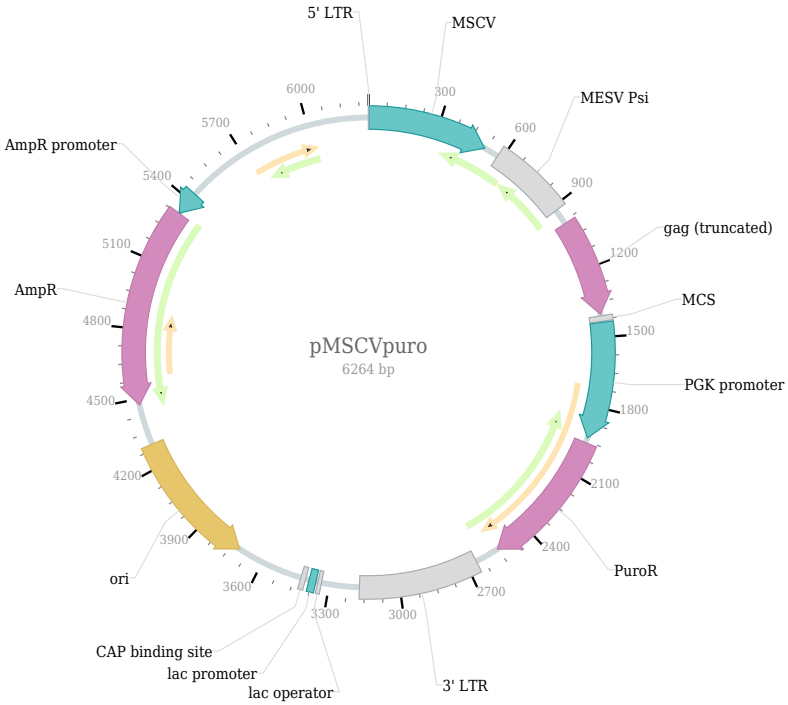
pMSCVpuro

Vector ID	V010400
Antibiotic Resistance	Ampicillin
Length	6264 bp
Vector Type	Viral Expression & Packaging Vectors

Product Information

Replication Origin	ori
Source/Author	Clontech
Copy Number	High copy number
Promoter	MSCV
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pMSCVpuro is a retroviral expression vector based on the murine stem cell virus (MSCV) LTR with a puromycin resistance marker. Designed for high-titer transduction and sustained gene expression in hematopoietic stem cells, ES cells, and other mammalian cell lines (Hawley et al.; Norris et al. 1998).

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 ℃.