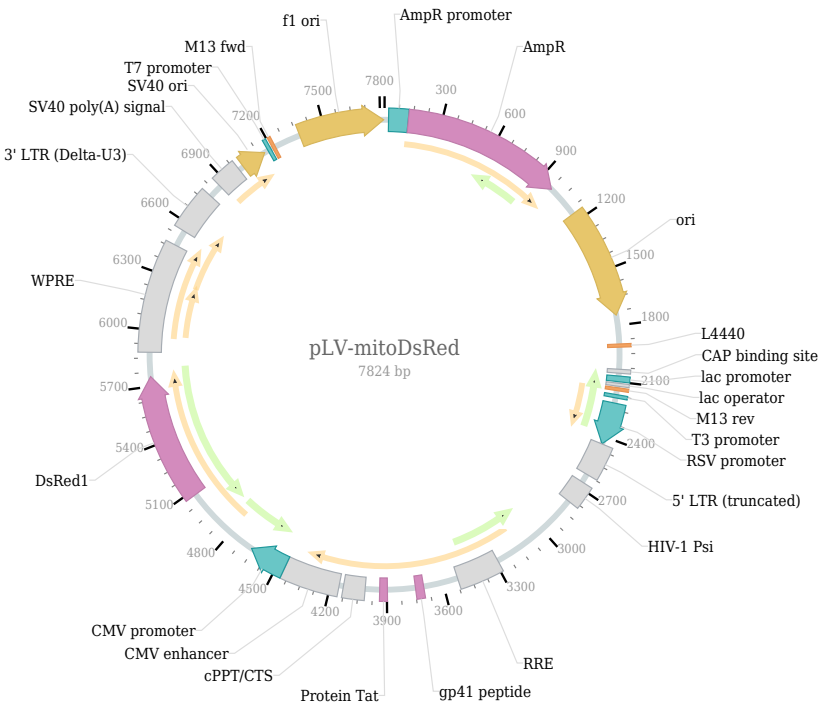
pLV-mitoDsRed

Vector ID	V007321
Antibiotic Resistance	Ampicillin
Length	7824 bp
Vector Type	Mammalian Expression, Lentiviral

Product Information

Replication Origin	ori
Copy Number	High Copy
Promoter	RSV
Cloning Method	Restriction Enzyme
5' Primer	CMV-F
3' Primer	WPRE-R
Growth Strain(s)	Stbl3
Comment	pLV-mitoDsRed is a lentiviral expression vector containing a DsRed reporter gene specifically localised to the mitochondrial matrix or intermembrane space, enabling the visualisation of mitochondrial morphology, distribution, and dynamic changes.

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 ℃.