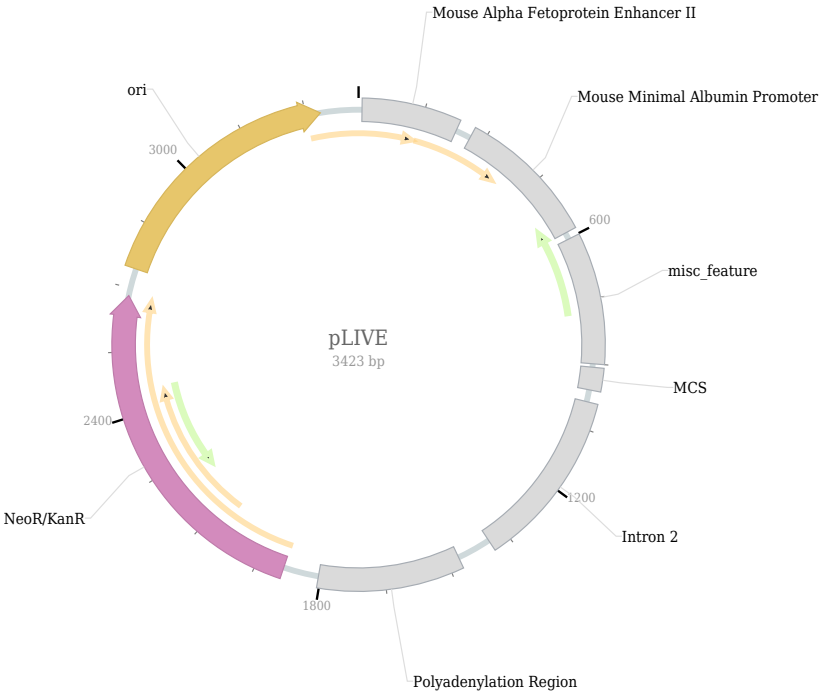
pLIVE

Vector ID	V047702
Antibiotic Resistance	Kanamycin
Length	3423 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Copy Number	High copy number
Promoter	Albumin
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	pLIVE is a liver-specific in vivo expression vector for hydrodynamic tail vein delivery in mice. Its chimeric promoter pairs the mouse alpha-fetoprotein enhancer II with the minimal albumin promoter, and two engineered introns flank a multiple cloning site (NheI–AscI–SalI–SmaI–BamHI–SacI–SacII–XhoI) to raise transgene expression. Peak expression occurs 3–5 days post-injection. Backbone: polyadenylation region, kanamycin marker (30 μg/ml), pUC origin. Reporter controls: pLIVE-lacZ and pLIVE-SEAP.

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 ℃.